

ANTHROPOLOGY UNDER GRADUATE CURRICULUM

**UNDER
CHOICE BASED CREDIT
SYSTEM
2018**

**GURU GHASIDAS VISHWA VIDYALAYA
BILASPUR, CHHATTISGARH**

(Approved in the BoS, held on 26/08/2018)

Semester	Course Opted	Course Code	Name of the course	Credit	Hour / week
I	Core-1	LS/ANT/C-101L	Introduction to Socio-cultural Anthropology	4	4
	Core -1 Practical	LS/ANT/C-101P	Practical in Social Anthropology	2	4
	Core -2	LS/ANT/C-102L	Introduction to Biological Anthropology	4	4
	Core -2 Practical	LS/ANT/C-102P	Practical in Biological Anthropology	2	4
	Generic Elective -1 (GE-IA) ¹	LS/ANT/GE-101P	Basics of Biological Anthropology	4	4
	Generic Elective - Practical	LS/ANT/GE-101L	Practical based on GE-1	2	4
	Ability Enhancement Compulsory Course (AECC)	LS/ANT/AEEC-101	English Communication / MIL (Hindi Communication)	4	4
	ECA	LS/ANT/ECA-101	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta Abhiyan/ vocational Training/ Sports/ others	2	(2)
			TOTAL	24	28
II	Core-3	LS/ANT/C-203L	Introduction to Archaeological Anthropology	4	4
	Core -3 Practical	LS/ANT/C-203P	Practical on Archaeological Anthropology	2	4
	Core -4	LS/ANT/C-204L	Fundamentals of Human Origin & Evolution	4	4
	Core -4 Practical	LS/ANT/CP-204P	Practical on Human Origin & Evolution	2	4
	Generic Elective - 2 ¹ (GE-IB)	LS/ANT/GE-201L	Social Cultural Anthropology: Theoretical Perspective	4	4
	Generic Elective - Practical	LS/ANT/GE-201P	Practical based on GE-2	2	4
	Ability Enhancement Compulsory Course (AECC)	LS/ANT/AEEC-201/ES	Environmental Science	4	4
	ECA	LS/ANT/ECA-201	ECA-Extracurricular activity/ Tour, Field visit/ Industrial training/ NSS/ Swachhta Abhiyan/ vocational Training/ Sports/ others	2	(2)
			Total	24	28

¹ This course will offer for other department's student.

*Papers are to be taken from any of the following departments.					
For BA			For B.Sc.		
English, Hindi, Economics, Political Science, Journalism and Mass Communication.			Botany, Chemistry, Forensic Science, Zoology, Biotechnology		
SUMMER Internship: 15 days (optional)			Swayam/Swachhta Abhiyan / NSS / Industrial/ others	2	100
III	Core-5	LS/ANT/C-305L	Tribes, Caste and Peasants: Indian Context	4	4
	Core -5 Practical	LS/ANT/C-305P	Practical in Tribes, Caste and Peasants: Indian Context	2	4
	Core -6	LS/ANT/C-306L	Human Ecology: Biological & Cultural dimensions	4	4
	Core -6 Practical	LS/ANT/C-306P	Practical in Human Ecology	2	4
	Core - 7	LS/ANT/C-307L	Biological Diversity in Human Populations	4	4
	Core – 7 Practical	LS/ANT/C-307P	Practical on Biological Diversity in Human Populations	2	4
	Generic Elective -3 ² (GEII-A)	LS/ANT/GE-301L	Human Ecology: Biological & Cultural dimensions	4	4
	Generic Elective - Practical	LS/ANT/GE-301L	Practical based on GE-3	2	4
	Skill Enhancement Course (SEC - 1)	LS/ANT/SEC-301	To be chosen from available SEC papers [^]	4	2 (4)
			Total	28	34
IV	Core-8	LS/ANT/C-408L	Theories of Culture and Society	4	4
	Core -8 Practical	LS/ANT/C-408L	Practical on Culture and Society	2	4
	Core -9	LS/ANT/C-409L	Human Growth and Development	4	4
	Core -9 Practical	LS/ANT/C-409L	Practical on Human Growth and Development	2	4
	Core - 10	LS/ANT/C-410L	Research Methods	4	4
	Core -10 Practical	LS/ANT/C-411L	Practical in Research Methods	2	4
	Generic Elective -4 ² (GEII-B)	LS/ANT/GE-401L	Research Methodology	4	4
	Generic	LS/ANT/GE-	Practical Based on GE-4	4	4

² This course will offer for other department's student.

	Elective - Practical	401P			
	Skill Enhancement Course (SEC - 2)	LS/ANT/SEC-402	To be chosen from available SEC papers^	4*	2 (4)
			TOTAL	28	34
SUMMER Internship: 15 days (optional)			Swayam/SwachhtaAbhiyan/ NSS / Industrial/ others	2	100
V	Core-11	LS/ANT/C-511L	Human Population Genetics	4	4
	Core -11 Practical	LS/ANT/C-511P	Practical on Human Population Genetics	2	4
	Core -12	LS/ANT/C-512L	Anthropology in Practice	4	4
	Core -12 Practical	LS/ANT/C-512P	Practical on Anthropology in Practice	2	4
	Discipline Specific Elective (DSE-1)	LS/ANT/DSE-501A (L)	To be chosen from available DSE papers*	4	4
	DSE-1 - Practical	LS/ANT/DSE-501A (P)	Practical based on DSE-1	2	4
	Discipline Specific Elective (DSE-2)	LS/ANT/DSE-502B (L)	To be chosen from available DSE papers*	4	4
	DSE-2 - Practical	LS/ANT/DSE-502B (P)	Practical based on DSE-2	2	4
				TOTAL	24
VI	Core-13	LS/ANT/C-613L	Applied Biological Anthropology	4	4
	Core -13 Practical	LS/ANT/C-613P	Practical on Applied Biological Anthropology	2	4
	Core -14	LS/ANT/C-614L	Indian Anthropology	4	4
	Core -14 Practical	LS/ANT/C-614P	Practical on Indian Anthropology	2	4
	Discipline Specific Elective (DSE-3)	LS/ANT/DSE-603A (L)	To be chosen from available DSE papers*	4	4
	DSE-3 - Practical	LS/ANT/DSE-603A (P)	Practical based on DSE-3	2	4

	Discipline Specific Elective (DSE-4) + DSE-4 – Practical Or Dissertation/ Project work followed by seminar	LS/ANT/PD		4+2=6 Or 5 +1=6	8
			TOTAL	24	32
			TOTAL CREDITS	152 + 4 (SI)	

***List of DSE papers is attached at the end**

Discipline Specific Course (DSE) Two each in Semester V and VI. To be chosen from the following.	Ability Enhancement Elective (Skill Based) One each in Semester III and IV. To be chosen from the following
DSE-1: Sports Anthropology	AEEC-1: Statistical Package for Social Science (SPSS)
DSE-2: Advanced Human Genetics	AEEC-2: Museum Anthropology
DSE-3: Anthropology of Religion, Politics and Economy	AEEC-3: Tourism Anthropology
DSE-4: Anthropology of Social Movement	AEEC-4: Media Anthropology
DSE-5: Tribal Cultures of India	
DSE-6: Anthropology of Health	
DSE-7: Palaeoanthropology	
DSE-8: Ethnography of Tribes of Chhattisgarh	
DSE-9: Urban Anthropology	
DSE-10: Research Methods in Social Science	
DSE-11: Visual Anthropology	
DSE-12: Indian Archaeology	
DSE-13: Demographic Anthropology	
DSE-14: Applied Anthropology and Tribal Development	
DSE-15: Linguistic Anthropology	
DSE-16: Field Work (in Semester VI only)	

**DEPARTMENT OF ANTHROPOLOGY & TRIBAL DEVELOPMENT
GURU GHASIDAS UNIVERSITY, BILASPUR Chhattisgarh**

OUTCOME OF THE UG HONORS SYLLABUS

(i) The students will have a fundamental and systematic or coherent understanding of the academic field of Anthropology, its different branches and applications, and its linkages with related disciplinary areas/subjects;

(ii) The students will have knowledge that creates different types of professionals related to the disciplinary/subject area of Anthropology, including professionals engaged in research and development, teaching and government/public services;

(iii) A skilful group of students with different specialisations of Anthropology and emerging developments in the field of Anthropology will be available in the market.

- Students will demonstrate the ability to use the knowledge of Anthropology in formulating and tackling Anthropology-related problems and identifying and applying appropriate anthropological principles and methodologies to solve a wide range of problems associated with human society.
- All the stakeholders including the students will recognise the importance of qualitative as well as quantitative data and approaches/methods in comprehending the human society.
- Students will plan and execute Anthropology-related experiments or field investigations, analyse and interpret data/information collected using appropriate methods, including the use of appropriate software such as programming languages and report accurately the findings of the experiment/field investigations while relating to the conclusions/findings to relevant theories of Anthropology.
- The students will demonstrate relevant generic skills and global competencies such as:

(i) Students will possess problem solving skills that are required to solve different types of Anthropology-related problems with well-defined solutions, and tackle open-ended problems that may cross disciplinary-area boundaries;

(ii) Students will be competent enough in investigating skills, related to Anthropology-related issues and problems;

(iii) Students will be equipped with communication skills involving the ability to listen carefully, to read text and research papers analytically and to present complex information in a concise manner to different groups/audiences;

(iv) Analytical skills of the students will be increased and ability to construct logical arguments using correct technical language related to Anthropology;

(vi) Personal skills ability of the students will be increased to work both independently and in a group.

➤ The students will demonstrate professional behaviour such as:

(i) being objective, unbiased and truthful in all aspects of work and avoiding unethical behaviour such as fabricating, falsifying or misrepresenting data or to committing plagiarism;

(ii) With the ability to identify the potential ethical issues in work-related situations;

(iii) And will appreciate the intellectual, environmental and sustainability issues; and

(iv) In promoting safe learning and working environment

B.A./B.Sc. Ist Semester
Introduction to Social - Cultural Anthropology
Core-1

Paper Code: LS/ANT/C-101L

4 Credits

- Unit I:** Social and Cultural Anthropology: meaning, scope and development of social and cultural anthropology; Relationship with other social sciences.
- Unit II:** Basic Concepts in Cultural Anthropology: Concept of culture, characteristics of culture; Attributes of culture: culture trait, culture complex, cultural area; [age area hypothesis](#).
- Unit III:** Basic Concepts in Social Anthropology: [Social group: Primary and secondary Group](#); Social structure and social organization; Culture and Civilization; social stratification.
- Unit IV:** Social Institutions: Family – Definition, characteristics, typology, functions, changes in the concept; Marriage – Definition, typology of marriage, ways of acquiring mates, bride price and dowry; Kinship: definition; Types of kinship terms: classificatory and descriptive, Kinship Behaviour – Joking and avoidance relationship.
- Unit V:** Economic Organization: Concept and scope, characteristics of primitive and peasant economy; Religion, Magic and Science: Concept and meaning of primitive religion: Animism & Animatism, Manaism, Magic – Types, Sorcery, Witchcraft, Shamanism, Taboo; Political Organization: Types – Band, tribe, chiefdom, state.

Suggested Readings

1. Davis, Kingsley. (1949). Human Society. New York: Macmillan Co.
2. Metcalf, Peter. (2005). Anthropology: the Basics. Abingdon [England]: Routledge.
3. Barnard, Alan. (2000). History and Theory in Anthropology. Cambridge, U.K.: Cambridge University Press.
4. Nadel, S. F. (1951). The Foundations of Social Anthropology. Glencoe, III: Free Press.
5. Harris, C. C. 1990. Kinship Concepts in Social Thought. Minneapolis: University of Minnesota Press.
6. Levi-Strauss, Claude. 1969. The elementary structures of kinship. Boston: Beacon Press.
7. Goody, Jack, and Meyer Fortes. 1973. The Character of kinship. Cambridge [Eng.]: University Press.
8. Trautmann, Thomas R. 1981. Dravidian Kinship. Cambridge studies in social anthropology. Cambridge: Cambridge University Press.
9. Radcliffe-Brown, A. R., and Cyril Daryll Forde. 1950. African systems of kinship and marriage. London: Published for the International African Institute by the Oxford University Press.
10. Farber, Bernard. 1966. Kinship and family organization. New York: Wiley.
11. Barnes, J. A. 1971. Three styles in the study of kinship. Berkeley: University of California Press.
12. Karve, Irawati. 1968. Kinship organization in India. London: Asia Publication House.

B.A./B.Sc. Ist Semester
Core-1 Practical in Social - Cultural Anthropology

Paper Code:- LS/ANT/C-101P

2 Credits

Methods and Techniques of Social Anthropology: The practical will include the following techniques and methods in collection of data in Social Anthropology.

1. [Introduction to the Anthropology Methods: Why anthropology is important for social research](#)
2. Observation
3. Interview
4. Questionnaire and Schedule
5. Case study
6. Life history

Suggested Readings:

1. Bernard H.R. (1940). *Research Methods in Cultural Anthropology*. Newbury Park: Sage Publications.
2. Karen O'Reilly. (2012). 'Practical Issues in Interviewing', *Ethnographic Methods*. Abingdon: Routledge.
3. [Goode and Hatt \(1952\). *Methods in Social Research*, Mac-Graw Hill](#)
3. O'reilly K. (2012). *Ethnographic Methods*. Abingdon: Routledge.
4. Royal Anthropological Institute of Great Britain and Ireland (1971). *Methods*", In *Notes and Queries on Anthropology*. London: Routledge & Kegan Paul Ltd.

B.A./B.Sc. Ist Semester

Introduction to Biological Anthropology

Core – 2

Paper Code: ANT- LS/ANT/C-102L

4 Credits

Unit I: Meaning and scope of anthropology, branches of anthropology; History and subject matter of physical/biological Anthropology; Relationship of physical/biological anthropology with other disciplines: medical and health sciences, life sciences, earth sciences, and environmental sciences.

Unit II: Fundamentals of physical/biological anthropology: a. Human Evolution; b. Human Variation; c. Human Genetics; d. Human Growth and Development

Unit III: Theories of organic evolution (Lamarckian, Darwinian, and Synthetic).

Unit IV: Position of man in animal kingdom: living primates, distribution, characteristics, phylogeny, classification; comparative anatomy of man and apes; Primate Behaviour.

Unit V: Concept of race, genetic basis of race, UNESCO Statement on Race; ethnic group, racial classification of human populations (H.H Risley and B.S Guha's classification)

Suggested Readings:

1. Craig Stanford, John S. Allen and Susan C. Anton (2008) Biological Anthropology (2nd Edition).
2. John Buettner-Janusch (1969) Origins of Man. Wiley Eastern Pvt Ltd
3. E. L. Simon (1972) Primate Evolution: An Introduction to Man's Place in Nature. New York, MacMillan.
4. Craig Stanford, John S. Allen and Susan C. Anton (2009) Exploring Biological Anthropology: The Essentials, Prentice Hall.
5. Michael Park (2007) Biological Anthropology: An Introductory. Reader, McGraw Hill.
- 7 P. K. Seth & S Seth (1986) Perspectives in Primate Biology. New Delhi, Today & Tomorrow Printers.
8. John G. Fleagle (1999) Primate Adaptation and Evolution. Elsevier.
- 9 E.A. Hooton (1947) Up from the Ape. New York, MacMillan.
- 10 M. F. Ashley Montague (1977) *UNESCO Statement on Race*. New York, Academic Press.
11. G.A.Harrison et al. (1988) Human Biology. Oxford, Oxford University Press.

B.A./B.Sc. Ist Semester
Core-2 Practical in Biological Anthropology

Paper Code:- LS/ANT/C-102P

2 Credits

Somatometry

1. Maximum head length
2. Physiognomic facial height
3. Maximum head breadth
4. Morphological facial height
5. Minimum frontal breadth
6. Physiognomic upper facial height
7. Maximum bizygomatic breadth
8. Morphological upper facial height
9. Bigonial breadth
10. Head circumference
11. Nasal height
12. Stature
13. Nasal length
14. Sitting height
15. Nasal breadth
16. Body weight

Somatoscopy

1. Head form 2. Hair form 3. Facial form 4. Eye form
5. Nose form 6. Hair colour 7. Eye colour 8. Skin colour

Suggested Readings

1. I. P. Singh & M. K. Bhasin. (1989) A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Delhi.
2. D. Mukherjee, D. Mukherjee & P. Bharati. (2009) Laboratory Manual for Biological Anthropology. Asian Book Private Limited, New Delhi.
3. B.M. Das & R. Deba. Physical Anthropology Practical. Kitab Mahal, Allahabad, U.P.
4. S.J. Ulijaszek and C.G.N. Mascie-Taylor. Anthropometry: the individual and the population.
5. B. M. Das. Outlines of Physical Anthropology. New Delhi.
6. Galton F. (1884) Anthropometric Laboratory. London (Also in J. Anthropol. Inst., (Lond.) 1884, 14, 205).

B.A./B.Sc. IInd Semester

Core -3

Introduction to Archaeological Anthropology

Paper Code: LS/ANT/C-203L

4 Credits

Unit I: Introduction

- Definition and scope of archaeological anthropology.
- Relationship with other disciplines.
- Methods of studying archaeological anthropology

Unit II: Methods of Estimation of Time and Reconstruction of the Past

- Absolute dating methods (C^{14})
- Relative dating methods (Stratigraphy)
- Methods of climatic reconstruction: paleontology,

Unit III: Geochronology of Pleistocene Epoch

- Detailed Structure of Geological Time Scale
- Glacial and Interglacial [periods](#)
- Pluviation and Inter Pluviation [periods](#)

Unit IV: Understanding Culture

- Technique of tool manufacture
- Classification of [lithic tools and typology](#)
- [Cultural periods of tool typology](#)

Unit V: Evidence of Prehistoric Culture: Europe and India

Character, distribution and interpretation of habitat and economy of:

- Lower palaeolithic;
- Middle palaeolithic;
- Upper palaeolithic;
- Mesolithic culture;
- Neolithic culture

Suggested Readings

1. Allchin and Allchin (1993). *The Rise of Civilization of India and Pakistan*. Cambridge University Press
2. Bhattacharya D.K. (1978). *Emergence of Culture in Europe*, Delhi, B.R. Publication.
3. Bhattacharya D.K. (1979). *Old Stone Age Tools and Techniques*. Calcutta, K.P. Bagchi Company
4. Bhattacharya D.K. (1996). *Palaeolithic Europe*. Netherlands, Humanities Press.
5. Champion et al. (1984). *Prehistoric Europe*. New York, Academic Press.
6. Fagan B.M. (1983). *People of Earth: An Introduction*. Boston, Little, Brown & Company.
7. Phillipson D. W. (2005). *African Archaeology*. Cambridge, Cambridge University Press.
8. Sankalia H.D. (1964). *Stone Age Tools*. Poona Deccan College
9. [K.P. Oakley; 1965: Man the tool-maker, Trustees of the British Museum \(Natural History\), London.](#)

B.A./B.Sc. IInd Semester
Core-3 Practical in Archaeological Anthropology

Paper Code:- LS/ANT/C-203P

2 Credits

Typo-technological Analysis of Prehistoric Tools: Identification, Interpretation and Drawings of the tool Types

1. **Palaeolithic tool types**

- a. Core Tool Type
 - b. Flake Tool Type
2. Neolithic Tool Type

Suggested Readings

1. Allchin and Allchin (1993). *The Rise of Civilization of India and Pakistan*. Cambridge University Press
2. Bhattacharya D.K. (1978). *Emergence of Culture in Europe*, Delhi, B.R. Publication.
3. Bhattacharya D.K. (1979). *Old Stone Age Tools and Techniques*. Calcutta, K.P. Bagchi Company
4. Bhattacharya D.K. (1996). *Palaeolithic Europe*. Netherlands, Humanities Press.
5. Champion et al. (1984). *Prehistoric Europe*. New York, Academic Press.
6. Fagan B.M. (1983). *People of Earth: An Introduction*. Boston, Little, Brown & Company.
7. Phillipson D. W. (2005). *African Archaeology*. Cambridge, Cambridge University Press.
8. Sankalia H.D. (1964). *Stone Age Tools*. Poona Deccan College

B.A./B.Sc. IInd Semester

Core-4

Fundamentals of Human Origin & Evolution

Paper Code: LS/ANT/C-204L

Credit- 4

Unit I

Primate **evolution**; Parapithecus, Ramapithecus, Dryopithecus, Sivapithecus and their distribution, features with their phylogenetic relationships

Unit II

Australopithecines: distribution, features and their phylogenetic relationships.

Appearance of genus Homo (Homo habilis) and related finds.

Unit III

The origin of Homo sapiens: Fossil evidences of Neanderthals and Archaic Homo sapiens

Unit IV

Origin of anatomically modern humans (Homo sapiens sapiens): Distribution and features

Unit V

Hominisation process, Biology and culture Co-evolution

Suggested Readings

- Buettner-Janusch, J. (1966). *Origins of Man: Physical Anthropology*. John Wiley & Sons, Inc., New York, London, Sydney.
- Conroy, G.C. (1997). *Reconstructing Human Origins: A Modern Synthesis*. W. W. Norton & Company, New York, London.
- Howell F.C. (1977). *Horizons of Anthropology*. Eds. S. Tax and L.G. Freeman, Aldine Publishing House, Chicago.
- Nystrom P. and Ashmore P. (2011). *The Life of Primates*. PHI Learning Private Limited, New Delhi.
- Seth P. K. and Seth S. (1986). *the Primates*. Northern Book Centre, New Delhi, Allahabad.
- Singh I. P. and Bhasin M.K. (1989). *Anthropometry: A Laboratory Manual on Biological Anthropology*. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
- Standford C.; Allen J.S. and Anton S.C. (2012). *Biological Anthropology: The Natural History of Mankind*. PHI Learning Private Limited, New Delhi.
- Swindler D. R. (2009). *Introduction to the Primates*. Overseas Press India Pvt. Ltd., New Delhi.
- [Day, Michael \(1986\) Guide to Fossil Man. University of Chicago Press.](#)

B.A./B.Sc. IInd Semester

Core-4

Practical in **Fundamental of Human Origin & Evolution**

Paper Code: LS/ANT/C-204P

Credit- 2

1. Craniometry
 - Maximum cranial length
 - Maximum cranial breadth
 - Maximum bizygomatic breadth
 - Maximum frontal breadth
 - Minimum frontal breadth
 - Nasal height
 - Nasal breadth
 - Bi-mastoid breadth
 - Greatest occipital breadth
 - Upper facial height
 - Cranial index
 - Nasal index

Suggested Readings

1. I. P. Singh & M. K. Bhasin. (1989) A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Delhi.
2. D. Mukherjee, D. Mukherjee & P. Bharati. (2009) Laboratory Manual for Biological Anthropology. Asian Book Private Limited, New Delhi.
3. B.M. Das & R. Deka. Physical Anthropology Practical. Kitab Mahal, Allahabad, U.P.
4. S.J. Ulijaszek and C.G.N. Mascie-Taylor. Anthropometry: the individual and the population.
5. B. M. Das. Outlines of Physical Anthropology. New Delhi.
6. Galton F. (1884) Anthropometric Laboratory. London (Also in J. Anthropol. Inst., (Lond.) 1884, 14, 205).

B.A./B.Sc. IIIrd Semester

Core-5- Tribes, Caste and Peasants: Indian Context

Paper Code: LS/ANT/C-305L

Credit- 4

Unit I: Anthropological Concept of Tribe

- Problems of nomenclature, definition and classification.
- Classification (Geographical, Linguistic and Racial) of Indian tribes

Unit II: Tribes and Wider world.

- Constitutional safeguards for the tribes; Fifth Schedule and Sixth Schedule
- Development Initiatives: PESA 1996, FRA 2006, R & R Act, 2013

Unit III: Caste in India

- Concept, Definition and [features of caste system](#)
- Features and Changes in Caste System
- Caste in Contemporary India: Politics and Caste

Unit IV: Anthropological Concept of Village

- The concept of peasantry.
- Approaches to the study of peasants – economic, political and cultural.

Unit V: Indian Village

- Characteristics of Indian village: Importance of study of Indian Village
- Social Organization of Indian Village.

Suggested Reading

1. Gupta D. (1991). Social Stratification. Oxford University Press: Delhi.
2. Madan V. (2002). The Village in India. Oxford University Press: Delhi.
3. Nathan D. (1998). Tribe-Caste Question. Simla: IAS.
4. National Tribal Policy (draft). (2006). Ministry of Tribal Affairs. Government of India.
5. Patnaik S.M. (1996). Displacement, Rehabilitation and Social change. Inter India Publication, Delhi.
6. Shah G. (2002). Social Movement and the State. Delhi: Sage.
7. Shanin T. (1987). Peasants and Peasantry. New York, Blackwell.
8. Vidyarthi L.P. and Rai B.K. (1985) Tribal Culture in India, New Delhi, Concept Publishing Company.
9. Wolf E. (1966). Peasants. NJ, Prentice Hall.
10. [Srinivas, M. N \(1963\) India's Village. Asia Publishing House. Bombay](#)
11. [Dube, S.C. \(1955\) Indian Village. Routledge. London](#)

B.A./B.Sc. IIIrd Semester

Core -5 Practical in Tribes, Caste and Peasants: Indian Context

Paper Code: LS/ANT/C-305P

Credit- 4

Practical Credit- 2

Reading of Ethnography: Students are required to read and analyze any two of the ethnographies (as listed below) and prepare a report based upon it. The report should clearly link up the study with the concept of tribe and peasantry and delineate clearly the concept used in the text.

1. Research questions/objectives of the study and their relevance.
2. Theoretical schema.
3. Methods and techniques used in the study.
4. Key findings and their significance in the context of the objectives of the study.
5. Critical analysis of the finding on the basis of contemporary available resources.

Suggested Reading

1. Walker A. (1986). *The Todas*. Delhi : Hindustan Publishing Corporation Verrier
2. Elwin (1992). *The Muria and their Ghotul*. USA: Oxford University Press.
3. Malinowski M. (1922). *Argonauts of the Western Pacific*. London: Routledge and Kegan Paul Ltd.
4. Furer-Haimendorf C.V. (1939). *The Naked Nagas*. London: Methuen and Co.
5. Evans-Pritchard E.E. (1940). *The Nuer: A Description of the Modes of Livelihood and Political Institutions of a Nilotic People*. Oxford : Clarendon Press.
6. Majumdar D. N. (1950). *Affairs of tribes*. Lucknow: Universal Publishers Ltd.
7. Dube S.C. (1955). *Indian Village*. London: Routledge and Kegan Paul Ltd.
8. Berreman G.D. (1963). *Hindus of the Himalayas*. Berkeley: California University Press.

B.A./B.Sc. III Semester

Core-6

Human Ecology: Biological & Cultural dimensions

Paper Code: LS/ANT/C-306L

Credit- 4

Biological Dimensions

Unit I: Concepts in Ecology: Definition, eco-sensitivity adaptation, acclimation, acclimatization, biotic and abiotic component.

Unit II: Methods of studying human ecology. Adaptation to various ecological stresses; Ecological rules and their applicability to human populations.

Unit III: Impact of urbanization and industrialization on Man.

Cultural Dimensions

Unit IV: Culture as a tool of adaptation; Various modes of human adaptation in pre-state societies.

- i. Hunting and food gathering
- ii. Pastoralism
- iii. Shifting cultivation

Unit V: Ecological themes of state formation: i. Neolithic revolution, ii. Hydraulic civilization. Agriculture and peasantry; Industrial civilization and growth of urban societies.

Suggested Reading

1. Human ecology: biocultural adaptation in human communities. (2006) Schutkowski, H. Berlin. Springer Verlag.
2. Human ecology and cognitive style: comparative studies in cultural and physical adaptation. (1976).Berry, J.B. New York: John Wiley.
3. Human ecology. (1964) Stapledon. Faber & Faber.
4. Studies in Human Ecology. (1961) Theodorson, G.A. Row, Peterson & Company Elmsford, New York.
5. Human ecology: (1973) Problems and Solutions. Paul R. Ehrlich, Anne H. Ehrlich and John P. Holdress. W.H. Freeman & Company, San Francisco.
6. Cohen, Yehudi A. 1968. Man in adaptation; the cultural present. Chicago: Aldine Pub. Co.
7. Symposium on Man the Hunter, Richard B. Lee, and Irven DeVore. 1969. Man the hunter. Chicago: Aldine Pub. Co.

B.A./B.Sc. III Semester

Core-6 Practical in Human Ecology

Paper Code: LS/ANT/C-306P

Credit-2

Biological Dimensions

Size and Shape Measurements

1. Stature 5. Total Lower Extremity Length
2. Sitting Height 6. Nasal Breadth
3. Body Weight 7. Nasal Height
4. Total Upper Extremity Length

Size and Shape Indices

1. Body Mass Index 4. Relative Upper Extremity Length
2. Ponderal Index 5. Relative Total Lower Extremity Length
3. Relative Sitting Height 6. Nasal Index

Cultural Dimensions

Make a research design pertaining to any environmental problem and do a project based on it.

Suggested Reading

1. Human ecology: biocultural adaptation in human communities. (2006) Schutkowski, H. Berlin. Springer Verlag.
2. Human ecology and cognitive style: comparative studies in cultural and physical adaptation. (1976).Berry, J.B. New York: John Wiley.
3. Human ecology. (1964) Stapledon. Faber & Faber.
4. Studies in Human Ecology. (1961) Theodorson, G.A. Row, Peterson & Company Elmsford, New York.
5. Human ecology: (1973) Problems and Solutions. Paul R. Ehrlich, Anne H. Ehrlich and John P. Holdress. W.H. Freeman & Company, San Francisco.
6. Cohen, Yehudi A. 1968. Man in adaptation; the cultural present. Chicago: Aldine Pub. Co.
7. Redfield, Robert. (1965). Peasant society and culture an anthropological approach to civilization. Chicago [u.a.]: Univ. of Chicago Press.
8. Symposium on Man the Hunter, Richard B. Lee, and Irven DeVore. 1969. Man the hunter. Chicago:Aldine Pub. Co.

B.A./B.Sc. III Semester

Core-7

Biological Diversity in Human Populations

Paper Code: LS/ANT/C-307L

Credit- 4

Unit I: Concept of Biological Variability; Race; Hardy-Weinberg Law; Sources of Genetic Variation; Structuring Genetic Variation; Interpretation of Human Variation, Genetic Polymorphism; Human Adaptability – Adaptive Mechanisms determining the types of adaptation.

Unit II: A critical appraisal of contribution of Risley, Guha and Sarkar towards understanding ethnic elements in the Indian populations.

Unit III: Role of Bio-cultural Factors Cultural Biology; Bio-cultural factors influencing the diseases and nutritional status.

Unit V: Perspective of Demographic Anthropology; Sources of Demographic Data, Demographic Processes, Demographic profile of Indian populations and its growth structure; Inbreeding and Consanguinity – Biological consequences of inbreeding, frequency of inbreeding in world populations; Methods of counselling.

Unit V: Genetic diversity among Indian Population.

Suggested readings:

1. Baker P.T. and J.S. Weiner (ed.) (1996) *The Biology of Human Adaptability*. Oxford & New York, Oxford University Press.
2. Bhende A. and T. Kantikar (2006) *Principles of Population Studies*. Himalayan Publishing House, Mumbai
3. Bogin B. (1999). *Pattern of Human Growth*. 2nd edition CUP.
4. Cameron Noel and Barry Bogin (2012) *Human Growth and development*. Second edition, Academic Press Elsevier.
5. Eckhardt R.B.(1979) *The Study of Human Evolution*. McGrand Hill Book Company, USA.
6. Frisancho R. (1993) *Human Adaptation and Accommodation*. University of Michigan press
7. Harrison G.A., Tanner, J.M., Pilbeam, D.R., Baker, P.T. (1988) *Human Biology*. Oxford University Press.
8. Jurmain Robert Lynn kilgore Wenda Trevathan and Ciochon (2010). *Introduction to Physical Anthropology*. Wadsworth Publishing, USA.
9. Kapoor A.K. and Satwanti Kapoor (ed) (1995). *Biology of Highlanders*. Jammu, Vinod Publisher & Distributor.
10. Kapoor A.K. and Satwanti Kapoor (eds) (2004) *India's Elderly-A Multidisciplinary Dimension*. Mittal Publication, New Delhi.
11. Malhotra K.C. and B. Balakrishnan(1996) *Human Population Genetics in India*
12. Malina Robert M., Claude. Bouchard, Oded. Bar-Or. (2004) Growth, and Physical Activity. *Human Kinetics*.
13. Stanford C., Allen, S.J. and Anton, C.S. (2013): *Biological Anthropology*. 3rd edition, Pearson, USA.

B.A./B.Sc. III Semester
Core-7 Practical on Biological Diversity in Human Populations

Paper Code: LS/ANT/C-307P

Credit- 2

1. Craniometric Measurements (Skull & Mandible)
2. Determination of A1, A2, B, O; M N; and Rh (Test with five Anti-Rh sera) blood groups of ten subjects.
3. Analysis and interpretation of finger ball pattern types, Finger print classification and development of chance prints and statistical treatment of the data collected (Ten Subjects)
4. Collection of demographic data from secondary sources.

Suggested readings:

1. Baker P.T. and J.S. Weiner (ed.) (1996) *The Biology of Human Adaptability*. Oxford & New York, Oxford University Press.
2. Bhende A. and T. Kantikar (2006) *Principles of Population Studies*. Himalayan Publishing House, Mumbai
3. Bogin B. (1999). *Pattern of Human Growth*. 2nd edition CUP.
4. Cameron Noel and Barry Bogin (2012) *Human Growth and development*. Second edition, Academic Press Elsevier.
5. Eckhardt R.B.(1979) *The Study of Human Evolution*. McGrand Hill Book Company, USA.
6. Frisancho R. (1993) *Human Adaptation and Accommodation*. University of Michigan press
7. Harrison G.A., Tanner, J.M., Pilbeam, D.R., Baker, P.T. (1988) *Human Biology*. Oxford University Press.
8. Jurmain Robert Lynn kilgore Wenda Trevathan and Ciochon (2010). *Introduction to Physical Anthropology*. Wadsworth Publishing, USA.
9. Kapoor A.K. and Satwanti Kapoor (ed) (1995). *Biology of Highlanders*. Jammu, Vinod Publisher & Distributor.
10. Kapoor A.K. and Satwanti Kapoor (eds) (2004) *India's Elderly-A Multidisciplinary Dimension*. Mittal Publication, New Delhi.
11. Klepinge L.L. (2006). *Fundamentals of Forensic Anthropology*. John Willey & Sons.,New Jersey.
12. Malhotra K.C. and B. Balakrishnan(1996) *Human Population Genetics in India*
13. Malina Robert M., Claude. Bouchard, Oded. Bar-Or. (2004) Growth, and Physical Activity. *Human Kinetics*.
14. Stanford C., Allen, S.J. and Anton, C.S. (2013): *Biological Anthropology*. 3rd edition, Pearson, USA.

B.A./B.Sc. IV Semester

Core-8

Theories of Culture and Society

Paper Code: LS/ANT/C-408L

Credit- 4

Unit I: Evolutionism and Diffusionism, Historical Particularism, Neo-evolutionism, Emergence of fieldwork tradition.

Unit II: Durkheim and social integration, Functionalism and Structural-functionalism and British Social Anthropology: Radcliff Brown and Malinowski

Unit III: Recent trends in Anthropological Theories: Symbolic Approach, Interpretative Approach

Unit IV: Patterns of culture

Unit V: Culture & personality

Suggested Readings

1. Applebaum H.A. (1987) *Perspectives in Cultural Anthropology*. Albany: State University of New York.
2. Barnard A. (2000). *History and Theory in Anthropology*. Cambridge: Cambridge University.
3. McGee R.J. and Warms R.L. (1996) *Anthropological Theories: An Introductory History*.
4. Moore M. and Sanders T. (2006). *Anthropology in Theory: Issues in Epistemology*, Malden, MA: Blackwell Publishing.

B.A./B.Sc. IV Semester

Core-8 Practical on Culture and Society

Paper Code: LS/ANT/C-408P

Credit- 2

As a part of the practical following exercises will be undertaken by the students so as to enable them to connect the theories they learn with things of everyday living.

1. To identify a topic relating to contemporary issue and formulate research questions and Clearly identify the theoretical perspectives from which they are derived.
2. Identification of variables of a study.
3. Various types of hypotheses.
4. Formulation of hypothesis.
5. Distinction between hypothesis testing and exploratory research.
6. Identification of universe and unit of study with justifications.
7. Choice of appropriate research technique and method in the context of theoretical framework.
8. Data collection and analysis

Suggested Readings

1. Applebaum H.A. (1987) *Perspectives in Cultural Anthropology*. Albany: State University of New York.
2. Barnard A. (2000). *History and Theory in Anthropology*. Cambridge: Cambridge University.
3. McGee R.J. and Warms R.L. (1996) *Anthropological Theories: An Introductory History*.
4. Moore M. and Sanders T. (2006). *Anthropology in Theory: Issues in Epistemology*, Malden, MA: Blackwell Publishing.

B.A./B.Sc. IV Semester
Core-9: Human Growth and Development

Paper Code: LS/ANT/C-409L

Credit- 4

Unit I:

Concept of human growth, development and maturation.

Unit II:

Prenatal (conception till birth) and postnatal (birth till senescence) period of growth, pattern of normal growth curves, variation from normal growth. (canalization, catch-up growth and catch-down growth), ethnic and gender differences in growth curves, secular trend.

Unit III:

Bio-cultural factors (genetic, social, and ecological factors) influencing patterns of growth and variation,

Unit IV:

Methods and techniques to study growth, significance/ applicability of growth studies

Unit V:

Human physique and body composition; Somatotyping and human physique

Suggested Readings

1. Bogin B. (1999) Patterns of human growth. Cambridge University Press.
2. Frisancho R. (1993) Human Adaptation and Accommodation. University of Michigan Press.
3. Cameron N and Bogin B. (2012) Human Growth and Development. Second edition, Academic press Elsevier.
4. Harrison GA and Howard M. (1998). Human Adaptation. Oxford University Press.
5. Harrison GA, Tanner JM, Pibeam DR, Baker PT. (1988). Human Biology. Oxford University Press
6. Jurmain R, Kilgore L, Trevathan W. Essentials of physical anthropology. Wadsworth publishing.
7. Kapoor AK and Kapoor S. (1995) Biology of Highlanders. Vinod Publisher and Distributor.
8. Kathleen K. (2008). Encyclopedia of Obesity. Sage.
9. Malina RM, Bouchard C, Oded B. (2004) Growth, Maturation, and Physical Activity. Human Kinetics.
10. McArdle WD, Katch FI, Katch VL. (2001) Exercise Physiology: Energy, Nutrition, and Human Performance.
11. Singh I, Kapoor AK, Kapoor S. (1989). Morpho-Physiological and demographic status of the Western Himalayan population. In Basu and Gupta (eds.). Human Biology of Asian Highland Populations in the global context.
12. Sinha R and Kapoor S. (2009). Obesity: A multidimensional approach to contemporary global issue. Dhanraj Publishers. Delhi.

B.A./B.Sc. IV Semester

Practical on Human Growth and Development

Paper Code: LS/ANT/C-409P

Credit- 4

1. Growth status: Somatometry (stature, body weight, mid upper arm circumference etc), assessment of chronological age, percentile, z-score, height for age, weight for age, BMI for age
2. Obesity assessment: General (BMI, body fat %, Conicity index, body adiposity indices)
3. Estimation of body composition (fat percentage and muscle mass) with skinfold thickness.
4. Nutritional assessment through dietary pattern and anthropometric indices.

Suggested Readings

1. Bogin B. (1999) Patterns of human growth. Cambridge University Press.
2. Frisancho R. (1993) Human Adaptation and Accommodation. University of Michigan Press.
3. Cameron N and Bogin B. (2012) Human Growth and Development. Second edition, Academic press Elsevier.
4. Harrison GA and Howard M. (1998). Human Adaptation. Oxford University Press.
5. Harrison GA, Tanner JM, Pibeam DR, Baker PT. (1988). Human Biology. Oxford University Press
6. Jurmain R, Kilgore L, Trevathan W. Essentials of physical anthropology. Wadsworth publishing.
7. Kapoor AK and Kapoor S. (1995) Biology of Highlanders. Vinod Publisher and Distributor.
8. Kathleen K. (2008). Encyclopedia of Obesity. Sage.
9. Malina RM, Bouchard C, Oded B. (2004) Growth, Maturation, and Physical Activity. Human Kinetics.
10. McArdle WD, Katch FI, Katch VL. (2001) Exercise Physiology: Energy, Nutrition, and Human Performance.
11. Singh I, Kapoor AK, Kapoor S. (1989). Morpho-Physiological and demographic status of the Western Himalyan population. In Basu and Gupta (eds.). Human Biology of Asian Highland Populations in the global context.
12. Sinha R and Kapoor S. (2009). Obesity: A multidimensional approach to contemporary global issue. Dhanraj Publishers. Delhi.

B.A./B.Sc. IV Semester
Core-10: Research Methods

Paper Code: LS/ANT/C-410L

Credit- 4

Unit I: Field work tradition in Anthropology

Ethnographic approach, contribution of Malinowski, Boas and other pioneers; cultural relativism, ethnocentrism, etic and emic perspectives, comparative and historical methods, techniques of rapport establishment, identification of representative categories of informants, maintenance of field diary and logbook

Unit II: Research Design

Review of literature, conceptual framework, formulation of research problem, formulation of hypothesis, sampling, tools and techniques of data collection, data analysis and reporting, guiding ideals and critical evaluation of major approaches in research methods, basic tenets of qualitative research and its relationship with quantitative research

Unit III: Tools and techniques of data collection

Concept of survey, relationship of survey method with ethnographic method, construction of questionnaire and interview schedule, validation and internal consistency of questionnaire
Observation - Direct, Indirect, Participant, Non-participant, Controlled
Interview - Structured and unstructured, Focused Group Discussion, key informant interview
Case Study and life history; Genealogy-Technique and application.

Unit IV

Chapterization, preparing a text for submission and publication, concepts of preface, notes (end and footnotes), glossary, prologue and epilogue, appendix, bibliography (annotated) and references cited, review and index. Similarities and differences between qualitative and quantitative data analysis;

Suggested Reading

1. Garrard E and Dawson A. What is the role of the research ethics committee? Paternalism, inducements, and harm in research ethics. *Journal of Medical Ethics* 2005; 31: 419-23.
2. Bernard H.R. *Research Methods in Anthropology, Qualitative and Quantitative Approaches*. Jaipur: Rawat Publications. 2006.
3. Madrigal L. *Statistics for Anthropology*. Cambridge: Cambridge University Press. 2012. Zar JH. *Biostatistical Analysis*. Prentice Hall. 2010.
4. Bernard R. *Research Methods in Anthropology: Qualitative and Quantitative Approaches*. AltaMira Press. 2011.
5. Emerson RM, Fretz RI and Shaw L. *Writing Ethnographic Fieldnotes*. Chicago, University of Chicago Press. 1995.
6. Lawrence NW. *Social Research Methods, Qualitative and Quantitative Approaches*. Boston: Allyn and Bacon. 2000.
7. Patnaik S.M. *Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua*. Jaipur: Rawat Publications. 2011.
8. Pelto PJ and Pelto GH. *Anthropological Research, The Structure of Inquiry*. Cambridge: Cambridge University Press. 1978.

B.A./B.Sc. IV Semester

Practical in Research Methods

Paper Code: LS/ANT/C-410P

Credit- 2

Practical Credit- 2

1. Construction of Genealogy.
2. Observation: Direct, Indirect, Participant, Non-participant, Controlled
3. Questionnaire and Schedule, Interview- Unstructured, Structured, Key informant interview, Focussed Group Discussion
4. Case study and life history
5. Project report writing- preparation of research problem, study design, data collection techniques, analysis and report writing based on somatometric, dermatoglyphic and serological data or social problem.

Suggested Reading

- Garrard E and Dawson A. What is the role of the research ethics committee? Paternalism, inducements, and harm in research ethics. *Journal of Medical Ethics* 2005; 31: 419-23.
- Bernard H.R. *Research Methods in Anthropology, Qualitative and Quantitative Approaches*. Jaipur: Rawat Publications. 2006.
- Madrigal L. *Statistics for Anthropology*. Cambridge: Cambridge University Press. 2012.
- Zar JH. *Biostatistical Analysis*. Prentice Hall. 2010.
- Michael A. *The Professional Stranger*. Emerald Publishing. 1996.
- Bernard R. *Research Methods in Anthropology: Qualitative and Quantitative Approaches*. AltaMira Press. 2011.
- Emerson RM, Fretz RI and Shaw L. *Writing Ethnographic Fieldnotes*. Chicago, University of Chicago Press. 1995.
- Lawrence NW. *Social Research Methods, Qualitative and Quantitative Approaches*. Boston: Allyn and Bacon. 2000.
- O'reilly K. *Ethnographic Methods*. London and New York: Routledge. 2005.
- Patnaik S.M. *Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua*. Jaipur: Rawat Publications. 2011.
- Pelto PJ and Pelto GH. *Anthropological Research, The Structure of Inquiry*. Cambridge: Cambridge University Press. 1978.
- Sarantakos S. *Social Research*. London: Macmillan Press. 1998.

B.A./B.Sc. V Semester

Core-11

Human Population Genetics

Paper Code: LS/ANT/C-511L

Credit- 4

Unit I. Essentials of Genetics

Landmarks in the history of genetics, principles in human genetics, Mendelian inheritance (single factor and multifactorial inheritance, polygenic inheritance), Non- Mendelian inheritance (multiple allelism, Co-dominance; sex linked, epistasis; penetrance and expressivity; Cytoplasmic inheritance).

Unit II. Ecological Genetics and Polymorphism

Phenotypic & genotypic polymorphisms, transient polymorphism, balanced polymorphisms,

Unit III: Hardy-Weinberg principle

Genotypic and allelic frequencies, assumptions of Hardy-Weinberg equilibrium, its applications and exceptions

Unit IV: Mechanism for dynamics in Gene Frequency

Mutation, selection (pattern and mechanism), Genetic drift (bottle neck and founder effect), Gene flow/migration, inbreeding (inbreeding co-efficient and its genetic consequences)

Unit V: Population structure and admixture in human populations

Random & non-random mating (positive and negative assortative mating), heritability, linkage disequilibrium, genetic markers, utility of genetic markers in forensic, population and disease association studies, Epistasis

Suggested Readings

1. Brooker R.J. (2012). Genetics: analysis & principles. The McGraw-Hill Companies, Inc 4th ed.
2. Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
3. Cooper DN and Kehrler-Sawatzki H. (2008). Handbook of Human Molecular Evolution. John Wiley & Sons, volume-2.
4. Crawford MH (2007). *Anthropological Genetics Theory, Methods and Applications*. Cambridge University Press
5. Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning
6. Jobling, M.A. Hurler M. and Tyler-Smith C. (2004). *Human Evolutionary Genetics: Origins, Peoples & Disease*. GS. NY
7. Lewis R. (2009). *Human Genetics: Concepts and Applications* 9th Edition. The McGraw–Hill Companies, Inc.
8. Patch C. (2005). *Applied Genetics in Healthcare*. Taylor & Francis Group
9. Relethford J.H. (2012). *Human Population Genetics*. Wiley-Blackwell, USA
10. Snustad .D.P. and Simmons M.J. (2006). *Principles of Genetics*, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
11. Strachan T, Read A.P. (2004). *Human Molecular Genetics*. Garland Science/Taylor & Francis Group.
12. Vogel F. and Motulsky A.G. (1996). *Human Genetics*. Springer, 3rd revised edition.

B.A./B.Sc. V Semester

Practical on Human population Genetics

Paper Code: LS/ANT/C-511P

Credit- 2

Practical Credit- 2

1. Blood group typing-A1, A2, B, O, MN and Rh (D) blood groups
2. Color Blindness
3. Glucose-6-phosphate dehydrogenase deficiency(G6PD)
4. PTC tasting ability
5. Biochemical markers-DNA isolation and polymerase chain reaction (PCR)

Suggested Readings

1. Brooker R.J. (2012). Genetics: analysis & principles. The McGraw-Hill Companies, Inc 4th ed.
2. Cavalli-Sforza, L.L. and Bodmer, W.F (1971). The Genetics of Human Population. San Francisco: Freeman
3. Cooper DN and Kehrler-Sawatzki H. (2008). Handbook of Human Molecular Evolution. John Wiley & Sons, volume-2.
4. Crawford MH (2007). *Anthropological Genetics Theory, Methods and Applications*. Cambridge University Press
5. Cummings M.R. (2011). Human Heredity: Principles and Issues. Ninth Edition. Brooks/Cole, Cengage Learning
6. Jobling, M.A. Hurler M. and Tyler-Smith C. (2004). *Human Evolutionary Genetics: Origins, Peoples & Disease*. GS. NY
7. Lewis R. (2009). *Human Genetics: Concepts and Applications* 9th Edition. The McGraw–Hill Companies, Inc.
8. Patch C. (2005). *Applied Genetics in Healthcare*. Taylor & Francis Group
9. Relethford J.H. (2012). *Human Population Genetics*. Wiley-Blackwell, USA
10. Snustad .D.P. and Simmons M.J. (2006). *Principles of Genetics*, Fourth Edition, John Wiley & Sons USA, Hoboken NJ
11. Strachan T, Read A.P. (2004). *Human Molecular Genetics*. Garland Science/Taylor & Francis Group.
12. Vogel F. and Motulsky A.G. (1996). *Human Genetics*. Springer, 3rd revised edition.

B.A./B.Sc. V Semester

Core-12

Anthropology in Practice

Paper Code: LS/ANT/C-512L

Credit- 4

Unit I: Academic Anthropology

Academics and Practitioners: Differences, Structure, Activities, Controversies and Issues: Applied Anthropology, Action Anthropology and Development Anthropology.

Unit II: Role of Anthropology in Development

Anthropology and Public Policy, Need Assessment and Community Development, Anthropology of NGO's, Organizational Anthropology, Environment and Community Health, Social and economic sustainability, Cultural resource management

Unit III: Future Dynamics in Anthropology

Trends in Anthropology: Anthropology of Tourism, Anthropology In Census; Designing And Fashion, Visual Anthropology

Unit IV: Constitutional Perspective and Human Rights

Constitutional Provisions, Evaluation, Planning and Development of Indian Populations; Human Rights, Interrelationships of rights and duties: Harmony and Conflict, Protection and enforcement of human rights and duties, National and State Human Rights Commission and other grievance redressal mechanism, Human rights of special category and marginal groups.

Unit V: Biosocial anthropology in practice

Bio-social elements of human development at national and international level, application of conceptual framework of Forensic Anthropology in judicial settings both criminal and civil, Population Dynamics and relationship between population growth and various aspects of culture such as means of subsistence, kinship, social contact.

Suggested Readings

1. Arya A and Kapoor AK. (2012). Gender and Health Management in Afro-Indian Global Vision Publishing House, New Delhi.
2. Kertzer DI and Fricke T. (1997). Anthropological Demography. University of Chicago Press.
3. Basu, A. and P. Aaby (1998). The Methods and the Uses of Anthropological Demography. 329 pp. Oxford, Clarendon Press
4. Carter A. (1998). Cultural Models and Demographic Behavior. In The Methods and the Uses of Anthropological Demography edited by Basu A and Aaby P. Oxford: Clarendon Press. pp 246-268.
5. Census of India (2001, 2011) and National Family Health Survey (2006,2010).
6. Ervic, Alexander M., (2000). Applied Anthropology: Tools and Perspectives for Contemporary Practise, Boston, MA: Allyn and Bacon.
7. Erwin A. (2004). Applied Anthropology Tools and Practice, Allyn and Bacon.

8. Gupta S and Kapoor AK. (2009). Human Rights among Indian Populations: Knowledge, Awareness and Practice. Gyan Publishing House, New Delhi.
9. Willen SS. (2012). Anthropology and Human Rights: Theoretical Reconsiderations and Phenomenological Explorations. *Journal of Human Rights*. 11:150–159.
10. Goodale M. (2009). *Human Rights: An Anthropological Reader*. Wiley Blackwell.
11. Gupta S and Kapoor AK. (2007). Human Rights, Development and Tribe. In : Genes, Environment and Health – Anthropological Perspectives. K. Sharma, R.K. Pathak, S. Mehra and Talwar I (eds.). Serials Publications, New Delhi.
12. Margaret AG. (2003). *Applied Anthropology: A Career-Oriented Approach*, Boston, MA: Allyn and Bacon.
13. Halbar BG and Khan CGH. (1991). *Relevance of Anthropology – The Indian Scenario*. Rawat Publications, Jaipur.
14. Kapoor AK (1998). Role of NGO's in Human Development: A Domain of Anthropology. *J Ind Anthropol Soc*; 33:283-300.
15. Kapoor AK and Singh D. (1997). *Rural Development through NGO's*. Rawat publications, Jaipur.
16. Klepinger LL (2006). *Fundamentals of Forensic Anthropology*. Wiley-Liss Publications
17. Kumar RK and Kapoor AK. (2009). *Management of a Primitive Tribe: Role of Development Dynamics*. Academic Excellence, Delhi.
18. Mehrotra N and Patnaik SM. (2008). Culture versus Coercion: The Other Side of Nirmal Gram Yojna, *Economic and Political weekly*. pp 25-27.
19. Mishra RC (2005). *Human Rights in a Developing Society*, Mittal Publications, Delhi.
20. Noaln RW. (2002). *Anthropology in Practice: Building a Career outside the Academy*. Publishing Lynne Reinner.
21. Patnaik SM (1996). *Displacement, Rehabilitation & Social Change*. Inter IndiabPublications, New Delhi.
22. Patnaik SM (2007). *Anthropology of Tourism: Insights from Nagaland*. *The Eastern Anthropologist*. 60(3&4):455-470
23. Srivastav OS (1996). *Demographic and Population Studies*. Vikas Publishing House, India
24. Vidyarthi LP and BN Sahay (2001). *Applied Anthropology and Development in India*, National Publishing House, New Delhi.
25. Vidyarthi LP. (1990). *Applied Anthropology in India – Principles, Problems and Case Studies*. Kitab Mahal, U.P.
26. Vidyarthi V (1981). *Tribal Development and its Administration*. Concept Publishing Company, New Delhi.

B.A./B.Sc. V Semester

Practical in Anthropology in Practice

Paper Code: LS/ANT/C-512P

Credit- 2

Practical Credit- 2

1. The students will visit a Village/NGO/Urban slum/Corporate office and its adjoining areas and write principal observations on the same.
2. Writing a project on constitutional provisions or evaluation of any development project/report.
3. Write a project on Religious Tourism / Tribal Tourism / Health Tourism / Fashion / Human Rights / Ecotourism.
4. Write a project on the demographic profile from secondary data.
5. Collect secondary data on any bio-social problem/ census data/NFHS data and give the analysis

Suggested Readings

1. Arya A and Kapoor AK. (2012). Gender and Health Management in Afro-Indian Global Vision Publishing House, New Delhi.
2. Kertzer DI and Fricke T. (1997). Anthropological Demography. University of Chicago Press.
3. Basu, A. and P. Aaby (1998). The Methods and the Uses of Anthropological Demography. 329 pp. Oxford, Clarendon Press
4. Carter A. (1998). Cultural Models and Demographic Behavior. In The Methods and the Uses of Anthropological Demography edited by Basu A and Aaby P. Oxford: Clarendon Press. pp 246-268.
5. Census of India (2001, 2011) and National Family Health Survey (2006,2010).
6. Ervic, Alexander M., (2000). Applied Anthropology: Tools and Perspectives for Contemporary Practise, Boston, MA: Allyn and Bacon.
7. Erwin A. (2004). Applied Anthropology Tools and Practice, Allyn and Bacon.
8. Gupta S and Kapoor AK. (2009). Human Rights among Indian Populations: Knowledge, Awareness and Practice. Gyan Publishing House, New Delhi.
9. Willen SS. (2012). Anthropology and Human Rights: Theoretical Reconsiderations and Phenomenological Explorations. Journal of Human Rights. 11:150–159.
10. Goodale M. (2009). Human Rights: An Anthropological Reader. Wiley Blackwell.
11. Gupta S and Kapoor AK. (2007). Human Rights, Development and Tribe. In : Genes, Environment and Health – Anthropological Perspectives. K. Sharma, R.K. Pathak, S. Mehra and Talwar I (eds.). Serials Publications, New Delhi.
12. Margaret AG. (2003). Applied Anthropology: A Career-Oriented Approach, Boston, MA: Allyn and Bacon.
13. Halbar BG and Khan CGH. (1991). Relevance of Anthropology – The Indian Scenario. Rawat Publications, Jaipur.
14. Kapoor AK (1998). Role of NGO's in Human Development: A Domain of Anthropology. J Ind Anthropol Soc; 33:283-300.
15. Kapoor AK and Singh D. (1997). Rural Development through NGO's. Rawat publications, Jaipur.

16. Klepinger LL (2006). Fundamentals of Forensic Anthropology. Wiley-Liss Publications
17. Kumar RK and Kapoor AK. (2009). Management of a Primitive Tribe: Role of Development Dynamics. Academic Excellence, Delhi.
18. Mehrotra N and Patnaik SM. (2008). Culture versus Coercion: The Other Side of Nirmal Gram Yojna, Economic and Political weekly. pp 25-27.
19. Mishra RC (2005). Human Rights in a Developing Society, Mittal Publications, Delhi.
20. Noaln RW. (2002). Anthropology in Practice: Building a Career outside the Academy. Publishing Lynne Reinner.
21. Patnaik SM (1996). Displacement, Rehabilitation & Social Change. Inter IndiabPublications, New Delhi.
22. Patnaik SM (2007). Anthropology of Tourism: Insights from Nagaland. The Eastern Anthropologist. 60(3&4):455-470
23. Srivastav OS (1996). Demographic and Population Studies. Vikas Publishing House, India
24. Vidyarthi LP and BN Sahay (2001). Applied Anthropology and Development in India, National Publishing House, New Delhi.
25. Vidyarthi LP. (1990). Applied Anthropology in India – Principles, Problems and Case Studies. Kitab Mahal, U.P.
26. Vidyarthi V (1981). Tribal Development and its Administration. Concept Publishing Company, New Delhi.

B.A./B.Sc. VI Semester

Core-13

Applied Biological Anthropology

Paper Code: LS/ANT/C-613L

Credit- 4

UNIT-1

Medical Anthropology: Meaning and Scope, Theories of Medical Anthropology: Socio-Cultural perspective, Bio-cultural perspective, Critical Medical Anthropology.

UNIT-2

Concept and Interpretation of Health, Illness and Disease: Socio-cultural and Bio-medical perspectives, Medical Pluralism and Syncretism, Ethno-medicine, Medical systems in India, Tribal health and ethno medicine.

UNIT-3

Human nutrition: food, diet, nutrition, and metabolism (definitions only); the basic nutrients micro-, and macronutrients—their sources and utility;

UNIT-4

Nutritional Anthropology: concept and definition. Nutrition policy in India, Child health and nutrition programmes in India.

UNIT-5

Malnutrition: over-and under-nutrition, malnutrition—their evaluation and general consequences. Nutritional adaptation in man

B.A./B.Sc. VI Semester

Practical in Applied Biological Anthropology

Paper Code: LS/ANT/C-613P

Credit- 2

- Unit I:** Techniques of taking basic Somatometric Measurements: Height, Weight, Waist circumference, Hip circumference;
- Unit II:** Estimation of Body Mass Index (BMI), Waist Hip Ratio (WHR), Waist Height Ratio (WHTR) and classification of obesity.
- Unit III:** Skinfold Measurement: Bicep, Tricep, Sub-scapular and Supra-iliac skinfold.
- Unit IV:** Estimation of Adult Body Composition: Percent Body Fat (PBF), Body Mass Abdominal Index (BMAI), Body Adiposity Index (BAI);
- Unit V:** Subcutaneous Fat; Visceral Fat; Skeletal Muscle Percentage

Suggested Readings

1. Singh I. P. & Bhasin M. K. (1989) A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Delhi.
2. Mukherjee, D., Mukherjee, D., & Bharati, P. (2009) Laboratory Manual for Biological Anthropology. Asian Book Private Limited, New Delhi.
3. Das B.M. and Deka R. Physical Anthropology Practical. Kitab Mahal, Allahabad, U.P.
4. Ulijaszek S.J., and Mascie-Taylor C.G.N. Anthropometry: the individual and the population.
5. Das, B. M. Outlines of Physical Anthropology. New Delhi.
6. Galton F. (1884) Anthropometric Laboratory. London (Also in J. Anthropol. Inst., (Lond.) 1884, 14, 205).
7. Foster, G.M. and B.G. Anderson (1978) Medical Anthropology. New York: John Wiley and Sons
8. Good Bryon.(1994). Medicine, Rationality and Experience. Cambridge, England: Cambridge University Press
9. McElroy, A. and P.K. Townsend (1979) Medical Anthropology in Ecological Perspective. Boulder, CO: Westview Press
10. Singer, M. and H.A. Baer (1995) Critical Medical Anthropology. Amityville, NY: Baywood Press
11. Joshi, P.C. and A. Mahajan (1990) Studies in Medical Anthropology (eds.). New Delhi: Reliance Publishing House

B.A./B.Sc. VI Semester

Core-14

Indian Anthropology

Paper Code: LS/ANT/C-614L

Credit- 4

Unit I:

- Origin, history and development of Anthropology in India, Approaches to study Indian society and culture.
- Racial and linguistic elements in Indian population
- Understanding the diversity of Indian social structure - concept of Varna, Jati, Caste, Ashram or purusharatha, Gender hierarchies - their economic and cultural impact,

Unit II:

- Contribution of contemporary biological, social and archaeological anthropologists in India.

Unit III:

- Aspects of Indian Village –social organisation, agriculture and impact of market economy on villages
- Impact of culture-contact, urbanization and industrialization on tribal and rural population;
- Developmental projects- tribal displacements and rehabilitation problem

Unit IV:

- Basic concepts -Great tradition and little tradition, sacred complex, Universalization and parochialization, Sanskritization and Westernization, Dominant caste, Tribe-caste continuum, Nature-Man-Spirit complex, Pseudotribalism,

Unit V:

- Problems of exploitation and deprivation of scheduled caste/ tribe and Other Backward Classes.
- Constitutional safeguards for the Scheduled caste and scheduled tribes.

Suggested Reading

1. Nicholas D. (2001). Castes of Mind: Colonialism and the Making of Modern India. Princeton University Press.
2. Bernard CS. (2000). India: The Social Anthropology of Civilization. Delhi: Oxford University Press.
3. Bhasin MK, Watter H and Danker-Hopfe H. (1994). People of India – An Investigation of Biological variability in Ecological, Ethno-economic and Linguistic Groups. Kamla Raj Enterprises, Delhi
4. Lopez DS. (1995). Religions of India in Practice. Princeton University Press
5. Gupta D. Social Stratification. Delhi: Oxford University Press.
6. Karve I. (1961). Hindu Society: An Interpretation. Poona : Deccan College
7. Guha BS. (1931). The racial attributes of people of India. In: Census of India, 1931, vol I, Part III (BPO, Simla)

8. Trautmann TR (2011). India: Brief history of Civilization. Oxford University Press : Delhi
9. Vidyarthi LP and Rai BK. (1976). The tribal culture of India. Concept Publishing Co, Delhi.
10. Haddon AC. (1929). Races of man. Cambridge University, London.
11. Kapoor A.K. (1992). Genetic Diversity among Himalayan Human Populations. M/S Vinod Publishers, Jammu
12. Majumdar DN. (1901). Races and Culture of India. Asia Publishing House, Bombay
13. Dube SC. (1992). Indian Society. National Book Trust, India : New Delhi.
14. Dumont L. (1980). Homo Hierachicus. University of Chicagon Press.
15. Guha B.S. (1931). The racial attributes of people of India. In : Census of India, 1931, vol I, Part III (BPO, Simla)
16. Malhotra K.C. (1978). Morphological Composition of people of India. J. Human Evolution.

B.A./B.Sc. VI Semester

Practical in Indian Anthropology

Paper Code: LS/ANT/C-614P

Credit- 2

1. Identify various traits/variables which can be used in racial classification and comment on its relevance.
2. Review a book/edited volume on Indian social structure such as caste, religion, tribe or rural population and give its salient features.
3. Explore the biological diversity of any population group considering a minimum of five genetic traits.
4. Highlight the contributions of any two contemporary Indian anthropologists.

Suggested Reading

1. Nicholas D. (2001). *Castes of Mind: Colonialism and the Making of Modern India*. Princeton University Press.
2. Bernard CS. (2000). *India: The Social Anthropology of Civilization*. Delhi: Oxford University Press.
3. Bhasin MK, Watter H and Danker-Hopfe H. (1994). *People of India – An Investigation of Biological variability in Ecological, Ethno-economic and Linguistic Groups*. Kamla Raj Enterprises, Delhi
4. Lopez DS. (1995). *Religions of India in Practice*. Princeton University Press
5. Gupta D. *Social Stratification*. Delhi: Oxford University Press.
6. Karve I. (1961). *Hindu Society: An Interpretation*. Poona : Deccan College
7. Guha BS. (1931). The racial attributes of people of India. In: *Census of India, 1931, vol I, Part III (BPO, Simla)*
8. Trautmann TR (2011). *India: Brief history of Civilization*. Oxford University Press : Delhi
9. Vidyarthi LP and Rai BK. (1976). *The tribal culture of India*. Concept Publishing Co, Delhi.
10. Haddon AC. (1929). *Races of man*. Cambridge University, London.
11. Kapoor A.K. (1992). *Genetic Diversity among Himalayan Human Populations*. M/S Vinod Publishers, Jammu
12. Majumdar DN. (1901). *Races and Culture of India*. Asia Publishing House, Bombay
13. Dube SC. (1992). *Indian Society*. National Book Trust, India : New Delhi.
14. Guha B.S. (1931). The racial attributes of people of India. In : *Census of India, 1931, vol I, Part III (BPO, Simla)*
15. Malhotra K.C. (1978). *Morphological Composition of people of India*. J. Human Evolution.

ELECTIVE COURSES

Credits: Any four papers = Theory +Practical = (4+2)*4 = 24

DSE-1: Sports Anthropology

Unit I:

Anthropology of sports- Physical fitness, component of physical fitness

Unit II:

Physical conditioning, training-techniques and physiological effects, environmental effects on physical performance: effect of heat stress, cold stress and high altitude on physiological response and performance.

Unit III:

Body composition and Athletes, sports selection and monitoring

Unit IV:

Human biological variability, health and nutrition; doping and performance; cultural constructions and physiologic implications of food across time, space and society; an integrated bio-behavioural perspective towards food preference.

Practical in Sports Anthropology

1. Assessment of daily nutrient intake
2. Evaluate association of nutritional status and physical performance
3. Demonstrate cultural perspective for preference of specific food of a population

Suggested Readings

1. Stinson S. (1992). Nutritional Adaptation. *Annual Review of Anthropology* 21:143- 170.
2. Brughart R. (1990). The Cultural Context of Diet, Disease and the Body. In *Diet and Disease in Traditional and Developing Societies*. GA Harrison and JC Waterlow, eds. P. 307-325. Cambridge University Press. Cambridge.
3. Rozin P. (1987). Psychobiological Perspectives on Food Preferences. In *Food and Evolution: Toward a Theory of Food Habits*. M. Harris and EB Ross (eds.). Temple University Press. Philadelphia, pp. 181-205.
4. Quandt SA. (1987). Methods for Determining Dietary Intake. In *Nutritional Anthropology*. FE Johnston, ed. Pp. 67-84. Liss. NY.
5. Ulijasek SJ and Strickland SS. (1993). Introduction. In *Nutritional Anthropology: Prospects and Perspectives*. Pp. 1-5. Smith Gordon. London

DSE-2: Advanced Human Genetics

Unit I:

Structure, Function and Inheritance of the human genome- gene, DNA structure and replication, DNA repair and recombination, gene expression, coding and non-coding region

Unit II:

Expression of genetic information: from Transcription to Translation – the relationship between genes and protein, transcriptions; transcription and RNA processing, encoding genetic information, decoding the codons: the role of transfer RNAs

Unit III:

Genomic Variation: Genomic Polymorphisms (SNPs, VNTR, CNVs, etc); haplotypes and haplogroups; genotype-phenotype correlations, epigenetic

Unit IV: Methods of Genetic Study in Human: Pedigree analysis and expressivity; Chromosomal Basis of Genetic Disorders (Karyotypes and identification of chromosome variation; Nucleic Acid Hybridization Assays, cytogenetic mapping), Genetic mapping(Microsatellite and other DNA polymorphisms), LOD score; sequencing strategies (PCR based Sanger sequencing to Exome sequencing), concept of non-mendelian inheritance and complex diseases

Unit V: Genomic Diversity & Human Evolution

Peopling of the Indian Subcontinent: Evidence from mtDNA and Y-chromosome; evolutionary genetics; Molecular evolution; DNA sequence variation and human origins

Practical in Advanced Human Genetics

1. Blood Collection, transportation and storage in field
2. DNA Extraction from whole blood
3. DNA Quantification, Aliquoting and sample preparation
4. PCR and electrophoresis
5. Gel Documentation

Suggested Readings:

1. Strachan T and Read AP. (2004). Human Molecular Genetics. Garland Science
2. Brown TA. (2007). Genomes. Garland Science.
3. Griffiths AJF. (2002). Modern Genetic Analysis: Integrating Genes and Genomes. WH Freeman Press.
4. Griffiths AJF, Wessler SR, Carroll SB, Doebley J. (2011). An Introduction to Genetic Analysis. Macmillan Higher Education.
5. Cavalli-sforza LL, Menozzi P, Piazza A (1994). History and Geography of Human Genes. Princeton University.
6. Giblett, ER. (1969). Genetic Markers in Human Blood. Blackwell Scietific, Oxford.
7. Cummings MR (2011). Human Heredity: Principles and Issues. Brooks/Cole, Cengage Learning
8. Jobling M, Hurls M and Tyler-Smith C. (2004). Human Evolutionary Genetics: Origins, Peoples & Disease. New York: Garland Science.
9. Lewis R. (2009). Human Genetics: Concepts and Application. The McGraw–Hill Companies, Inc.

10. Patch C. (2005). Applied Genetics in Healthcare. Taylor & Francis Group
11. Vogel F. and Motulsky A.G. (1996). Human Genetics. Springer, 3rd revised edition.
12. Snustad .D.P. and Simmons M.J. (2006). Principles of Genetics, Fourth Edition, John Wiley & Sons USA.

DSE-3: Anthropology of Religion, Politics and Economy

Unit I:

Anthropological approaches to understand religion- magic, animism, animatism, totemism, naturism; witchcraft and sorcery; Religious specialists: shaman, priests, mystics; Overview of Anthropological Theories of Religion.

Unit II:

Economic institutions: principles of production, distribution, and consumption in simple and complex societies; critical examination of relationship between economy and society. Various forms of exchange: barter, trade and market; Forms of currencies; reciprocities: generalized, balanced and negative.

Unit III:

Political institutions: concepts of power and authority; types of authority; state and stateless societies; law and justice in simple and complex societies; the meaning and sources of identity in complex contemporary societies.

Unit IV:

Interrelationship between religion, politics and economy; caste in Indian Politics.

Practical in Anthropology of Religion, Politics and Economy

Case study of any of the social institute (religion, economic, political) with respect to culture perspective

Suggested Readings:

1. Durkheim E. (1986). *The elementary forms of the religious life, a study in religious sociology*. New York:Macmillan.
2. Benedict A. (2006). *Imagined Communities: Reflections on the Origin and Spread of Nationalism*. Verso
3. Gledhill J. (2000). *Power and Its Disguises: Anthropological Perspectives on Politics*. 2nd ed. London: Pluto Press.
4. Ellis F. (2000). A framework for livelihood analysis. In *Rural Livelihoods and Diversity in Developing Countries* . Oxford: Oxford University Press.
5. Henrich J, Boyd R, Bowles S, Camerer C, Fehr E, Gintis H, McElreath R, Alvard M et al. (2005). 'Economic Man' in cross-cultural perspective: Behavioral experiments in 15 small-scale societies. *Behavior and Brain Science*. 28(6):795-815;
6. Henrich J. (2002). Decision-making, cultural transmission, and adaptation in economic anthropology. In: J. Ensminger (Ed.), *Theory in Economic Anthropology* (pp. 251-295). Walnut Creek, CA: Altamira Press.
7. Lambek. M. (2008) *A Reader in the Anthropology of Religion*.
8. Eller JD. (2007). *Introducing Anthropology of Religion*. New York: Routledge.
9. Glazier SD. (1997). *Anthropology of Religion: A Handbook*. Westport, CT: Greenwood Press.
10. Frick GD and Langer R. (2010). *Transfer and Spaces*. Harrassowitz (Germany).
11. Evans-Pritchard EE. (1937). *Witchcraft, Oracles and Magic among the Azande*,

Oxford: Clarendon Press.

12. Frazer JG. (1978). *The Illustrated Golden Bough*, London: Macmillan.
13. Barbara M. (2011). *Cultural Anthropology*. New Jersey: Pearson Education.
14. Ember CR. (2011). *Anthropology*. New Delhi: Dorling Kinderslay.
15. Herskovits MJ. (1952). *Economic Anthropology: A Study in Comparative Economics*. New York: Alfred A Knopf Inc.
16. Malinowski B. (1922) *Argonauts of the Western Pacific*. London: Routledge.
17. Polanyi K. et al (1957), *Trade and Market in the Early Empires*. Chicago: Henry Regnery Company.
18. Balandier G. (1972). *Political Anthropology*. Middlesex: Penguin.

DSE-4: Anthropology of Social Movement

Unit 1

Social Movements: Definition, nature and Theories of Social Movements. Anthropological approaches towards social movement.

Unit 2

Social Movements during British Period: The Santhal Insurrection; The Munda Rebellion; Gond Rebellion; The Bodo Movement; Jharkhand Movement

Unit 3

Social Movements after Independence

- Displacement Related: Narmada Bachao Movement, Tehri Movement, Posco Movement
- Natural Resource Rights Related: Niyamgiri Movement, Forest Rights Movement
- Environment Related : Chipko Movement, Salient Valley Movement, Aapiko Movement

Practical in Anthropology of Social Movement

Students need to prepare a project report in terms of historical context, nature, scale, course of actions, consequences, impact on society on any three movement; Submission of the report and viva-voce.

Suggested Readings:

- Baviskar, A. 1995. *In the Belly of River: Tribal Conflicts over Developemtn in the Narmada Valley*. Oxford University Press.
- Bose Mullick, S. 2003. *The Jharkhand Movement*. IWGIA Document No. 108. Copenhagen.
- Madhav Gadgil, Ramachandra Guha, *This Fissured Land: An Ecological History of India*, Oxford University Press, Delhi 1996
- Chittaranjan Kumar Paty, *Forest, Government, and Tribe*, (ed) Concept Publishing Company, 2007,
- Rao, M.S.A. 1979. *Social Movements in India* Vol. II. New Delhi: Manohar.
- Singh, K. S. 1992. *Tribal Movements in India*. New Delhi: Manohar.
- Sundar, N. 2007. *Subalterns and Sovereigns: An Anthropological History of Bastar, 1854-2006*. Oxford University Press, New Delhi
- T. K. Oommen, *Social Movements: Issues of identity*, Oxford University Press, 2010

DSE-5: Tribal Cultures of India

Unit I:

Concept of tribes and its problematic nature, General and specific characteristics of tribes, Tribes in India: Antiquity, historical, academic, administrative and anthropological importance, Distribution of Denotified tribes.

Unit II:

Tribe- caste continuum, Constitutional safeguard/provisions, Gender and Tribe,

Unit III:

Tribes: Nomenclature- emic and etic differences, Classification of tribes based on their economy, occupation and religion, Racial elements among the tribes, Scheduled and non-scheduled categories of tribes

Unit IV:

Tribal movements, Tribal monographs, Problems of tribal development

Unit V:

Forest policies and tribes, Migration and occupational shift, Tribal arts and aesthetics Displacement, rehabilitation and social change Globalization among Indian tribes.

Practical in Tribal Cultures of India

Distribution of Indian Tribes: PVTGs, STs

Location of different tribes on the map of India

Write an annotated bibliography on any one tribe of Chhattisgarh/Central India

Write the social structure of any one tribe of India Chhattisgarh/Central India

Suggested Readings:

1. Behera, D.K and Georg pfeffer. Contemporary Society Tribal Studies, Volume I to VII. New Delhi: Concept Publishing Company
2. Georg Pfeffer. Hunters, Tribes and Peasant: Cultural Crisis and Comparison. Bhubaneswar: Niswas.
3. Vidarthy, L.P. and Rai. Applied Anthropology in India.
4. Vidarrthy.L.P. and B.N. Sahay . Applied Anthropology and Development in India. New Delhi.

DSE-6: Anthropology of Health

Unit-1: Introduction and Overview of the Field of Anthropology & Health.

Defining Health and Illness in Cross-Cultural Perspective. Looking at “health,” “illness,” and related concepts in Western culture,

Unit – 2: Measuring Health: Morbidity, Mortality, and Epidemiology

Morbidity, Mortality, Epidemiology: Meaning, scope and methods. Epidemiology of common communicable diseases: Malaria, Tuberculosis, Leprosy, Diabetes, Cardiovascular disease and Sexually Transmitted Diseases (STDs), HIV/AIDS,

Unit – 3: Women’s Health, Sex, Family Planning, and Maternal-Infant Health

Reproductive life, child Birth, Family planning adoption, male dominance, Nursing and early nurture, hyper-menstruation and its corollaries. Population variation and its relation to health and disease.

Unit – 4: Healing and Healers in Cross-Cultural Perspectives.

Shamanism, Magic, and Healing. Shaman, Magic, Witchcraft and Sorcery,

Unit – 5: Folk Healers and “Alternative Medicine.”

Types of healers and healing, Problems in evaluating efficacy, Sources of dissatisfaction with mainstream medicine.

Practical in Anthropology of Health

1. Make a Schedule on Health and Demography and fertility history
2. Calculation of Infant Sex ratio, Fertility rate, Total fertility rate, Mortality rate, Birth rate, crude birth rate, crude death rate, Mortality rate, life expectancy, immigration rate, population growth rate.
3. Identification and Characteristics of Various diseases.
4. Case Studies of Traditional and Modern healers.

Suggested Readings

- Rajesh Khanna and A.K. Kapoor. 2007. Ethnic Groups and Health Dimensions. Discovery Publishing House, New Delhi.
- Chin, James, M.D., M.P.H. (ed.) 2000. Control of Communicable Diseases Manual. 17th Edition. American Public Health Association. *Anyone interested in field work in less developed areas should own this book for reference.*
- Helman, Cecil G. 2001. Culture, Health, and Illness. 4th ed. London: Arnold. *This book is written for health care practitioners and clearly explains the relevance of culture to health.*
- Mann, Jonathon M., et al. (eds.) 1999. Health and Human Rights. New York: Routledge.
- Albrecht, Gary L., Ray Fitzparick, and Susan C. Scrimshaw (eds.) 2000. The Handbook of Social Studies in Health and Medicine, SAGE Publications.
- Bannerman, Robert, J. Burton, and Ch'en Wen-Chieh (eds.) 1983. Traditional Medicine and Health Care Coverage. Geneva: World Health Organization.

- Chen, Lincoln C. Arthur Kleinman, and Norma C. Ware 1994. *Health and Social Change in International Perspective*. Harvard University Press.
- Coreil, Jeannine and J. Dennis Mull (eds.) 1990. *Anthropology and Primary Health Care*, Boulder: Westview Press.
- Hahn, Robert A. 1999. *Anthropology in Public Health. Bridging Differences in Culture and Society*. New York: Oxford University Press.
- Helman, Cecil G. 1994. *Culture, Health, and Illness*. 3rd ed. Oxford: Butterworth-Heinemann.
- Inhorn, Marcia C. and Peter J. Brown 1997. *The Anthropology of Infectious Disease. International health Perspectives*. Gordon and Breach Publishers.
- Koop, C. Everett, Clarence E. Pearson, and M. Roy Schwartz (eds.) 2001. *Critical Issues in Global Health*. San Francisco: Jossey-Bass. A Wiley Company.
- Mayer, Kenneth H. and H.F. Pizer (eds.) 2000. *The Emergence of AIDS. The Impact on Immunology, Microbiology, and Public Health*. Washington, D.C.: American Public Health Association.
- Nichter, Mark and Mimi Nichter 1996. *Anthropology and International Health. Asian Case Studies*. Gordon and Breach Publishers.
- Paul, Benjamin D. (ed.) 1955. *Health, Culture, and Community. Case Studies of Public Reactions to Health Programs*.
- Williams, Cicely D., Naomi Baumslag, and Derrick B. Jelliffe 1994. *Mother and Child Health. Delivering the Services*. 3rd Edition. New York: Oxford University Press
- Basch, Paul F. *Textbook of International Health* 1999. New York: Oxford University Press.
- Tsui, Amy O., Judith N. Wasserheit, and John G. Haaga (eds.) 1997. *Reproductive Health in Developing Countries*. Washington, D.C.: National Academy Press.

DSE-7: Palaeoanthropology

Unit I:

Dating methods, geological time scale, taphonomy and interpretation of the paleontological and archaeological records, taxonomic and chronological problems of fossils records.

Unit II:

Primate speciation and extinctions: a geological perspective, adaptive primate radiation, differential rate of somatic evolution.

Unit III:

Evolutionary biology: Origins and evolution of stone age technology (Human origins: Development, distribution and fossilized evidence of Australopithecines, Paranthropus (Zinjanthropus), Homo habilis, Homo erectus,

Unit IV:

Archaic H. sapiens, prehistoric hunter-gatherers, modern pastoral communities, emergence of prehistoric people in Africa.

Unit V:

Primate and Non-Primate Models for Early Hominid Behaviour; hominization process- Evolution of hominid-human bipedalism

Practical in Palaeoanthropology

1. Comparative primate osteology
2. Description and identification of the disarticulated skeleton of non-human primates
3. Identification and description of fossil casts
4. Excursion to a site for seven days for collection of fossil material and its report

Suggested readings

1. Napier JR and Napier PH. (1985). The Natural History of the Primates. Cambridge, MA: The MIT Press
2. Boyd R and Silk JB. (2009). How Humans Evolved. London: WW Norton.
3. Tattersall I. (2009). The Fossil Trail: How We Know What We Think We Know about Human Evolution. New York: Oxford University Press.
4. Waldron T. (2008): Palaeopathology. Cambridge University Press.
5. Cela-conde CJ and Frisancho J. (2007). Human Evolution: Trails from the past. Ayala Oxford University Press.
6. Barnes E. Diseases and Human Evolution. (2005). University of New Mexico Press.
7. Pinhasi R and Mays S (2008). Advances in Human Palaeopathology. Chichester: John Wiley & Sons, Inc. (PM).
8. Hoppa RD and Vaupel JW. (2002). Paleodemography: Age Distributions from Skeletal Samples. Cambridge University Press.
9. Lansen CS, Matter RM and Gebo DL. (1998). Human Origin: The fossil Record. Waveland Press.
10. Cameron DW and Colin P. Groves CP. (2004). Bone, Stones and Molecules: "Out of Africa" and Human Origins. Elsevier Inc.
11. Stringer C. (2011). The Origin of Our Species. London: Allen Lane.
12. Conroy GC. (2005). Reconstructing Human Origins. WW Norton and Company.

DSE 8: Ethnography of Tribes of Chhattisgarh

- Unit I:** Meaning and Concept of Ethnology and Ethnography; Difference between Ethnology and Ethnography
- Unit II:** Tribal population of India: Geographic distribution, Demographic aspects, Linguistic, Economic and Racial Classification.
- Unit III:** An outline of Tribal population of Chhattisgarh: Geographic distribution, Demographic and Socio-economic characteristics (based on Census or State Level Survey)
- Unit IV:** Ethnographic classification of some major tribes of Central India: Gond, Kondh, Oraon, Bonda
- Unit V:** Ethnographic account of PVTGs in Chhattisgarh (any three): Abujmaria, Kamar, Hill Korwa, Baiga.

Practical in Ethnography of Tribes of Chhattisgarh

Based on secondary data prepare the ethnography of one scheduled tribe and one PVTG of Chhattisgarh

Suggested Readings

1. Vidyarthi L.P. and Rai B.K. Tribal Culture of India
2. Shrivastava O.S. Tribals in Madhya Pradesh
3. Jenson et al. Essays in Ethnology
4. Beatlie J. Other Culture
5. Antonims C.G. et al. Ethnographic Field work.
6. Agar, M. The professional stranger, an informal introduction to Ethnography. New York: Academic Press, 1980.
7. Brewar, J.D., Ethnography. Buckingham: OUP, 2000.
8. Eller, R (ed). Ethnographic Research: A Guide to General Conduct. London: Academic Press, 1984.
9. Fetterman, M.D., Ethnography: Step by Step. London: Sage, 1989.
10. Hammersley, M. And Alkinson, P., Ethnography: Principles in Practice. London: Tavistock, 1983.
11. Stewart. A., The Ethnographer's Method. London: Sage, 1998.
12. Hamersley, M. What's wrong with Ethnography. London: Routledge, 1992.
13. Bryman, A. Social Research Methods. 3rd edition Oxford: OUP. 2008
14. Hammersley, M. Reading Ethnographic Research: A Critical Guide. London: Longman. 1991
15. Srinivash, M. N. (Ed.), Methods in Social Anthropology. Hindustan Publishing Corporation, New Delhi, 1995.

DSE: 9 Urban Anthropology

Unit 1: Emergence of urban anthropology

Introduction, Extension of the anthropological interest in peasants and rural areas, Origins of Cities and Early Sociological Approaches.

Unit 2: Political economy

Rural-urban migration, kinship in the city, problems that arise from urbanism, poverty and social stratification

Unit 3: Class approach

Culture of Poverty and the Underclass Approach, Comparison between relations function in an urban setting versus function in a rural setting, ethnic and class in Urban Ethnography, Urban Dystopia

Unit 4: Urban Inequality and Disasters

Poverty, extended family for urban natives versus migrants, Global Cities and the Production of Space, Community study and urban ecology, Urban Space, Postmodern and Hypermodern City

Unit 5: Global Urban Developments

Urban ethnography research and methodology, Contemporary urban issues: Suburbs, Slums Urban Decline.

Practical

- Visit city life among business community and appreciate the role of culture with politics and economics.
- Document various Media related popular cultures
- Photo shoot in any city life, Creating captions and texts relating to urban anthropology findings.
- Carry out the content analysis of various social problems observed in daily national English news paper.

Suggested readings

1. <http://www.oxfordbibliographies.com/>
2. Cities, classes and the social order. Anthony Leeds, Roger Sanjek
3. Childe, V. Gordon. 1950. "Urban Revolution." Town Planning Review.
4. Low Reader Part V: "The Postmodern City" in Low pp. 317-377; Dear and Flusty .
5. "Anthropological Fieldwork in Cities", "The anthropology of Cities: Some Methodological Issues".

DSE-10: Research Methods in Social Science

- Unit I:** Introduction to Research Methodology: Meaning, objectives and types of research; Methodological Approaches in Anthropology: Holistic, Synchronic and Diachronic, Emic and Etic.
- Unit II:** Research Design: Meaning, Types: Exploratory, Descriptive, Experimental and Evaluative studies
- Unit III:** Different types of sampling Design; Census and Sample Survey.
- Unit IV:** Types of Data – Primary and Secondary data, Qualitative and Quantitative data; Techniques of Data Collection – Questionnaire - Interview Schedule; Methods of Study: Case Study, Observation, Genealogy, Life History.
- Unit V:** Interpretation of Data and Report Writing: Structure of a Research Report; Research article; References; Analysis of qualitative and Quantitative data.

Practical

- Preparation of tools for qualitative data collection: Household census schedule, preparation of structured and unstructured questionnaire, Interview schedule to collect data on different socio-economic, education, festival, economy of tribal communities
- Preparation of tools for qualitative data collection: Drawing of family Genealogy, Preparation of guidelines for in-depth interview, case study.
- Preparation of a brief report on any social problems concerning to the tribal people.

Suggested Readings

1. Gaur AS, Gaur SS. Statistical Methods for Practice and Research. A guide to data analysing using SPSS. SAGE Response, New Delhi, India, 2009.
2. B.L. Agarwal. Basic Statistics. New Age International Publishers. Fourth Edition, 2006.
3. Sunder Rao, P.S.S. et al. An introduction to Biostatistics & Research Method. New Arrivals-PHI
4. Conover W.J. Practical Nonparametric Statistics. Third Edition. Wiley India (P) Ltd. Ansari Road, Daryaganj, New Delhi. 1999.
5. Wackerly Dennis D, Mendelhall III, Wiliam et al. Mathematical Statistics with application Duxbury Press, Pacific Grove.
6. Sunder Rao, P.S.S. et al. An introduction to Bio-statistics & Research Method. New Arrivals-PHI.
7. Fox and Alan. Elementary Statistics in Social Research. Gian Publishing House.

DSE-11 Visual Anthropology

UNIT 1: Introduction to Visual Anthropology. Visual Culture. Photographic and Digital Media: Still, Interactive and Moving.

UNIT 2: Theory and Representation. Anthropology and Images: Ethnophotography and ethnographic films and mass media. Theories of representation, modern media and political advocacy.

UNIT 3: Early Ethnographic Photography: Contexts and Trends. Anthropology of Art and Aesthetics: Critical reflection on the relation of images, objects and persons. Objects and images from other societies valued as 'art'.

UNIT 4: Ethnographic Photography: Conventions and Methodologies. Paradigms and Debates.

UNIT 5: Ethnographic Films: Theoretical issues concerning ethnographic film, ethical dimensions of ethnographic film, Interdependency of technology and culture.

UNIT 6: Cinema Studies with emphasis on key feature, documentary and ethnographic films with a focal theme - the examination of the 'language of film'.

Practical:

This paper deals with analysis of visuals such as photographs and films pertaining to cultural practices dealing with institutions of religion, economy and politics.

Theory and Representation: Anthropology and Images: Ethnophotography and ethnographic films and mass media. Theories of representation, modern media and political advocacy.

Suggested Readings

1. Ruby, Jay. 1996. "Visual Anthropology." In *Encyclopedia of Cultural Anthropology*, David Levinson and Melvin Ember, editors. New York: Henry Holt and Company, vol. 4: 1345-1351. I
2. Colonialism and Exhibited Others, cont'd: Difference as Spectacle and Science 2. Ch. 2, "Science and Spectacle: Visualizing the Other at the World's Fair," pp. 46-85 [From: Griffiths, Alison. 2002. *Wondrous Difference: Cinema, Anthropology, and Turn-of-the-Century Visual Culture*. New York : Columbia University Press.]
3. Corbey, Raymond. 1993. "Ethnographic Showcases, 1870-1930." *Cultural Anthropology*, Vol. 8, No. 3: 338-369. I 3. Early Ethnographic Photography: Contexts and Trends
4. Brian Street, "British Popular Anthropology: Exhibiting and Photographing the Other", 122-131 [From: Edwards, Elizabeth, ed. 1992. *Anthropology and Photography, 1860-1920*. New Haven: Yale University Press.]
5. Williams, Carol. 1999. "Photographic Portraiture of Aboriginal Women on Canada's Northwest Coast Circa 1862-1880." <http://cc.joensuu.fi/sights/carol.htm> I

6. Margaret Mead, "Visual Anthropology in a Discipline of Words," pp. 3-10 [From: Hockings, Paul, ed. 1995. *Principles of Visual Anthropology*. New York: Mouton de Gruyter.] Page 1 of 20 10.
7. Mead, Margaret, and Gregory Bateson. 1977. "On the Use of the Camera in Anthropology." *Studies in the Anthropology of Visual Communication*, Dec., Vol. 4, No. 2: 78-80. 11. Ch. 1, "Reading Pictures," pp. 1-12 [From: Banks, Marcus. 2001.
8. *Visual Methods in Social Research*. London: Sage.] I 6. Indigenous Uses of Photography 12. Prins, Harald E.L., and Bishop, John. 2001-2002.
9. "Edmund Carpenter: Explorations in Media and Anthropology." *Visual Anthropology Review*, Vol. 17., No. 2: 110-140. 13.
10. MacDougall, David. 1992. "'Photo wallahs:' An Encounter with Photography." *Visual Anthropology Review*, Sep., Vol. 8, No. 2: 96-100. 14. Sprague, Stephen. 1978.
11. *Case Studies in Ethnographic Film: Jean Rouch, Part I* 25. Edgar Morin, "Chronicle of a Film," pp. 229-265 [From: Feld, Steven, ed. 2003. *Ciné-ethnography*; Minneapolis: University of Minnesota Press.] I 11. *Case Studies in Ethnographic Film: Jean Rouch, Part II*

DSE-12. Indian Archaeology

Unit I: Understanding culture

- a. Technique of tool manufacture and estimation of their relative efficiency;
- b. Classification of tools: primary and combination fabrication techniques;
- c. Typology and cultural nomenclature.

Unit II: Methods of climatic reconstruction: palynology, paleontology, soil pH estimation.

Unit III: Prehistoric India

Pleistocene chronology of India: A critical assessment

Unit IV: Character, distribution and interpretation of habitat and economy of :

- i Palaeolithic
- ii Mesolithic
- iii Neolithic
- iv Chalcolithic
- v Art, ritual and belief

Practical

1. Identification of tools:

- (a) Handaxe varieties, chopper/chopping tools (f) End scrapers
- (b) Cleaver varieties (g) Borers
- (c) Side scraper varieties (h) Microlithic tools
- (d) Knives (i) Bone tools
- (e) Burins

2. Identification of lithic technology.

Suggested reading:

1. D. K. Bhattacharya (1996) An Outline of Indian Prehistory. Delhi, Palika Prakashan.
2. H. D. Sankalia (1974) Prehistory and Protohistory of India and Pakistan. Poona, Deccan College.
3. H. D. Sankalia (1982) Stone Tool Type and Technology. Delhi, B.R.Publication.

DSE-13. Demographic Anthropology

Theory

Unit I: Demographic Anthropology

1. Introduction, definition and basic concepts
2. Relationship between demography, population studies and anthropology
3. Importance of population studies in Anthropology

Unit II: Population Theories

1. John Graunt
2. Thomas R. Malthus
3. Biological theory of population
4. Theory of demographic transition

Unit III: Tools of Demographic Data

1. Measures of population composition, distribution and growth
2. Measures of fertility
3. Measures of mortality
4. Measures of migration

Unit IV: Population of India

1. Sources of demographic data in India
2. Growth of Indian population
3. Demography of Indian tribal and non-tribal groups
4. Anthropological determinants of population growth
5. Impact of urbanization on the migration of tribal groups

Unit V: National policies

1. National Population Policy
2. National Health Policy
3. National Policy on Reproductive Health Care

Practical

A student will collect and compile demographic data from different secondary sources on **Palaeoanthropology** any given topic by the concerned teacher and a project report will be submitted for its evaluation.

Suggested Readings

1. Bhende A. and Kaniikar, T. (2006) *Principles of Population Studies*. Himalaya Publishing House. Mumbai (All Units, It covers most topics)
2. Caldwell J.C. (2006). *Demographic Transition Theory*. Springer.
3. Census of India (2001,2011), SRS bulletin (2013), NFHS (2006), CRS, NSSO (Can be seen from browsing net)
4. Gautam R.K., Kshatriya, G.K. and Kapoor A.K. (2010) *Population Ecology and Family Planning*. Serials publications. New Delhi.
5. Howell N. (1986) Demographic Anthropology. *Ann. Rev. Anthropol.* 15: 219-246
6. Kshatriya G.K. (2000). Ecology and health with special reference to Indian tribes. *Human Ecology special volume 9:229-245*.
7. Kshatriya G.K., Rajesh,G. and Kapoor , A.K. (2010) *Population Characteristics of Desert Ecology*.VDM Verlag Dr. Muller Gmbh and Co., Germany.
8. Misra BD (1982). *An introduction to the study of population*. South Asia publ. ltd. New Delhi.
9. National Population Policy <http://populationcommission.nic.in/npp.htm>
10. Park K. (2000) *Text book of Preventive and Social Medicine*. Banarsidas Bhanot, Jabalpur.
11. Patra P.K. and Kapoor, A.K. (2009) *Demography And Development Dynamics in a Primitive Tribe of Himalayas*. International Book Distributors, Dehradun
12. Riley N.E. and Mc Carthy, J. (2003) *Demography in the Age of the Postmodern*. Cambridge University press. UK. Pages 1-13 and 32-98

DSE 14: Applied Anthropology and Tribal Development

- Unit I:** Applied Anthropology: Concept, Definition, Its Scope and History. Applied and Action Anthropology, Development Anthropology and Policy Perspective, Applied Physical Anthropology and Human Genetics.
- Unit II:** The concept of Tribal Development: Tribal Policy during pre-and-post Independence era; Approaches to Tribal development; Various Committees and Commissions on Tribal Development; Role of Anthropologists in Tribal Development.
- Unit III:** Constitutional Provisions and Safeguards for Scheduled Tribes, Administration of Scheduled Areas; Functioning of Tribes Advisory Council; Tribal Welfare programmes through Five Year Plans.
- Unit IV:** Tribal Sub Plan: ITDA, MADA, Cluster, DTDP and Micro project; Financial and Administrative arrangements for Tribal Development; External aided development projects, challenges & opportunities: few case studies.
- Unit V:** Barriers and Stimulants for Tribal Development; Contribution of Anthropology to Government and Development planning in India.

Practical

Students need to visit any local tribal community for at least five days and critically study the implementation of different public policy of the government. They also need to submit a final project report on it.

DSE-15: Linguistic Anthropology

DSE-16: Field Work (in Semester VI only)

All the students are required to undertake field work in rural/ tribal/ urban area for a period of 15 days for preparation of dissertation under the guidance of teacher/ teachers. The topic of the Field Work will be allotted by the concerned teacher.

Ability enhancement elective (skill based) Course
Credits: Any two papers = 2*2= 4

AEC-I : Statistical Package for Social Science (SPSS)

Paper Code- LS/ANT/SEC-301

Credit-2

Presentation and summarization of data: Types of variables and Data presentation (tabulation, illustration)

Test of Inference: Chi-Square Test, Students't' test, ANOVA, Z score.

Correlation: Coefficient of Co-variation, Coefficient of Correlation

Practical

Descriptive statistics & Solving Statistical problems: Measures of Central Tendency, Frequency Distribution: Histogram, Bar graph, Pie Chart, Polygraph

Suggested Readings

1. B.L. Agarwal. Basic Statistics. New Age International Publishers. Fourth Edition, 2006.
2. Fox and Alan. Elementary Statistics in Social Research. Gian Publishing House,
3. Sunder Rao, P.S.S. et al. An introduction to Biostatistics & Research Method. New Arrivals-PHI
4. Wackerly Dennis D, Mendelhall III, Wiliam et al. Mathematical Statistics with application Duxbury Press, Pacific Grove.
5. Gaur AS, Gaur SS. Statistical Methods for Practice and Research. A guide to data analysing using SPSS. SAGE Response, New Delhi, India, 2009.
6. Sunder Rao, P.S.S. et al. An introduction to Bio-statistics & Research Method. New Arrivals-PHI.
7. Conover W.J. Practical Nonparametric Statistics. Third Edition. Wiley India (P) Ltd. Ansari Road, Daryaganj, New Delhi. 1999.

AEC-II: Museum Anthropology

- Unit I: Introduction:** Definition and scope of Museum; History of museums / Museum Movement in India, Functions of Museums ; Museum Anthropology
- Unit II: General principle of documentation and preservation,** Exhibition equipments, Principles of design communication and interpretation
- Unit III: Museum Management and Administration:** Location, Administrative Framework, Budget, Work Planning and Museum Marketing.
- Unit IV: Museum Education and Research:** Educational Responsibilities of the Museum, Education of Children/Adults/Challenged and Special groups, Research in the Museums, museum library and exhibition
- Unit V: Computer Application in Museum:** Computer in museums. Use of computer in exhibition designing/exhibits, Use of different software, websites, multimedia etc. Retrieval of information about important museums of the world. Communication through E-mail and conferencing about the museums and its activities of the world.

Suggested Readings

1. Nigam, M L – Fundamentals of Museology
2. Ghosh, D P- Studies in Museology
3. Basu, J N- Indian Museum and Movement
4. Morley, Grace – Museum Today
5. Nigam, M L- Organization of Museum
6. Baxi, S. and Dwivedi V.P: Modern Museums: Organisation and Practice in India.
7. Bhatnagar, A- Museum, Museology and New Museology
8. Biswas, T. K- Museum and Education
9. Biswas, T. K- Museum and Adult Education
10. Bedekar, V.H- New Museology for India

Practical

Students need to visit any nearby museum and study the different aspects of museum.

SEC-III

Tourism Anthropology

Paper Code- LS/ANT/SEC-304

Credit-2

Unit I: Tourism- aspects and prospects, anthropological issues and theoretical concerns, tourist as ethnographer; pilgrimage and Authenticity Issues

Unit II: Interconnections between tourism history and the rise of the socio-cultural study of tourism including temporary migration, colonial exploration, pilgrimage, visiting relatives, imagined and remembered journeys, and tourism

Unit III: understand the implications of tourism as a major mechanism of cross-cultural interaction; role of symbolism, semiotics, and the imagination in tourism; tourism and the commodification of culture or cultural degradation

Unit IV: understand the global and local political economy of contemporary tourism, particularly in relation to international development; explore dynamic relationships between heritage-making enterprises, revival and preservation projects, the international flow of capital; role of museums and other branches of the cultural industries" (including music, art, and food) in tourism economies; tourism and global mobility; Ecotourism and sustainable development

Unit V: New Directions in the Anthropology of Tourism: Globalization, Tourism and Terrorism; applied aspects of anthropology in tourism development and planning.

Suggested Readings

1. Chambers E. (2000). *Native Tours: The Anthropology of Travel and Tourism*. Prospect Heights: Waveland.
2. Crick M. (1995). *The Anthropologist as Tourist: An Identity in Question*. In Lanfant MF, Allcock JB, Bruner EM (eds.) *International Tourism: Identity and Change*. London: Sage. pp. 205-223.
3. Dann GMS, Nash D and Pearce PL. (1988). *Methodology in Tourism Research*. *Annals of Tourism Research*. 15:1-28.
4. Gmelch SB. (2004). *Tourists and Tourism: A Reader*. Long Grove: Waveland.
5. Graburn NHH. (1977). *Tourism: The Sacred Journey*. *Hosts and Guests: The Anthropology of Tourism*. Valene L. Smith, ed. Philadelphia: University of Pennsylvania Press. Pp. 33-47.
6. Dann G. (2002). *The Tourist as a Metaphor of the Social World*. Wallingford: CAB International.
7. Nash D. (1996). *Anthropology of Tourism*. New York: Pergamon.
8. Kirshenblatt-Gimblett B.(1998). *Destination Culture: Tourism, Museums, and Heritage*. University of California Press.
9. Lippard LR. (1999). *On the Beaten Track: Tourism, Art and Place*. New Press.
10. Picard M and Wood R. (1997). *Tourism, Ethnicity, and the State in Asian and Pacific Societies*. University of Hawai Press.
11. Crick M. (1994). *Anthropology and the Study of Tourism: Theoretical and Personal Reflections*. In Crick M (eds.). *Resplendent Sites, Discordant Voices: Sri Lankans and International Tourism*. Chur, Switzerland: Harwood Publishers.
12. Wood R. (1997). *Tourism and the State: Ethnic Options and the Construction of Otherness*. In Picard and Wood *Tourism, Ethnicity and the State in Asian and Pacific Societies*. University of Hawai Press.

AEC-IV
Media Anthropology

Paper Code- LS/ANT/SEC-303

Credit-2

Unit 1: Theoretical Foundations: Introduction to Media Anthropology; Intellectual Antecedents

Unit 2: Audiences, Consumption and Identity Formation: The Social and Material Life of Cinema; Television and the Cultural Politics of Nation; Gender and Subjectivity; the Nation and Temporality; Media as Material Objects.

Unit 3: The Cultural Work of Mass Media Production: Producing “Bollywood”.

Unit 4: The Social Sites of Film and TV Production; the Exigencies of Commercial Filmmaking; the Constraints of Public Television Production.

Unit 5: Producing Reality – Journalism and Advertising; News as Social Practice; the Local and the Global in Advertising.

Unit 6: Small Media: Materiality, Circulation, Everyday Life & Social Transformations; Indigenous Media and Cultural Activism; the Social and Material Lives of Cell Phones; Media as Social Infrastructure – The Case of Facebook; Learning from New Media; The Possibilities & Constraints of YouTube

Suggested Readings

Rothenbuhler, Eric W; Coman, Mihai. Media anthropology. 2005. California, Sage.

Generic Elective-1 (GE-IA)
Basics of Biological Anthropology

Code-LS/ANT/GE-101L

Credit-4

UNIT-I

Basic Concepts; Scope, Development of Biological Anthropology

UNIT-II

Theories of Evolution- Lamarckism, Neo-Lamarckism, Darwinism, Synthetic theories, Mutation and Neo-Mutation theory

UNIT-III

Concept of Human Growth and Development, Evolutionary perspective on human growth (Living primate & fossil human ancestors) influencing pattern of growth & narratives method & techniques to study growth & significance

UNIT-IV

Bio-cultural factors (Genetic, social and ecological) influencing patterns of growth and variations methods and techniques to study growth & significance

UNIT-V

Bio-cultural adaptation and environmental stress-heat, cold and attitude. Homeostatic and thermoregulation, ecological rules and their applicability among their human beings.

Suggested Reading

1. Craig Stanford, John S. Allen and Susan C. Anton (2008) *Biological Anthropology* (2nd Edition).
2. John Buettner-Janusch (1969) *Origins of Man*. Wiley Eastern Pvt Ltd
3. E. L. Simon (1972) *Primate Evolution: An Introduction to Man's Place in Nature*. New York, MacMillan.
4. Craig Stanford, John S. Allen and Susan C. Anton (2009) *Exploring Biological Anthropology: The Essentials*, Prentice Hall.
5. Michael Park (2007) *Biological Anthropology: An Introductory Reader*, McGraw Hill.
- 7 P. K. Seth & S Seth (1986) *Perspectives in Primate Biology*. New Delhi, Today & Tomorrow Printers.
8. John G. Fleagle (1999) *Primate Adaptation and Evolution*. Elsevier.
- 9 E.A. Hooton (1947) *Up from the Ape*. New York, MacMillan.
- 10 M. F. Ashley Montague (1977) *UNESCO Statement on Race*. New York, Academic Press.

11. G.A.Harrison et al. (1988) Human Biology. Oxford, Oxford University Press.

Generic Elective Practical on Basics of Biological Anthropology

Code-LS/ANT/GE-101P

Credit-4

Somatometry

Introduction of Somatometry and Somatoscopy. Its importance in Anthropology

1. Maximum Head Length
2. Physiognomic Facial height
3. Maximum head breadth
4. Morphological facial height
5. Minimum frontal breadth
6. Physiognomic upper facial height
7. Maximum bizygomatic breadth
8. Morphological upper facial height
9. Bigonial breadth
10. Head circumference
11. Nasal height
12. Stature
13. Nasal Length
14. Sitting Height
15. Nasal breadth
16. Body weight

Somatoscopy

1. Head Form 2. Hair form 3. Facial form 4. Eye form 5. Nose form 6. Hair colour 7. Eye colour 8. Skin colour

Suggested Readings

1. I. P. Singh & M. K. Bhasin. (1989) A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Delhi.
2. D. Mukherjee, D.Mukherjee & P. Bharati. (2009) Laboratory Manual for Biological Anthropology. Asian Book Private Limited, New Delhi.
3. B.M. Das & R. Deka. Physical Anthropology Practical. Kitab Mahal, Allahabad, U.P.
4. S.J. Ulijaszek and C.G.N. Mascie-Taylor. Anthropometry: the individual and the population.
5. B. M. Das. Outlines of Physical Anthropology. New Delhi.
6. Galton F. (1884) Anthropometric Laboratory. London (Also in J. Anthropol. Inst., (Lond.) 1884, 14, 205).

Generic Elective-2 (GE-IB)

Socio-Cultural Anthropology: Theoretical Perspective

Code-LS/ANT/GE-201L

Credit-4

Unit-I: Basic concepts: Scope, Development of Socio-Cultural Anthropology, Branches of Social Anthropology, Relationship with other Social Sciences.

Unit-II: Social Institutions- Family, Marriage, Economic system, caste system, Varna system

Unit-III: Theories of society and culture; Evolutionism and Diffusionism

Unit-IV: Functionalism, Structural-Functionalism

Generic Elective Practical on Socio-Cultural Anthropology

Code-LS/ANT/GE-201P

Credit-4

Practical

- Methods and Techniques of Social Anthropology
- Observation
- Interview
- Questionnaire and schedule
- Hypothesis meaning, type and use
- Data collection and analysis

Suggested Readings

1. Davis, Kingsley.(1949). Human Society. New York: Macmillan Co.
2. Metcalf, Peter. (2005). Anthropology: the Basics. Abingdon [England]: Routledge.
3. Barnard, Alan. (2000). History and Theory in Anthropology. Cambridge, U.K.: Cambridge University Press.
4. Nadel, S. F. (1951). The Foundations of Social Anthropology. Glencoe, III: Free Press.
5. Harris, C. C. 1990. Kinship Concepts in Social Thought. Minneapolis: University of Minnesota Press.
6. Levi-Strauss, Claude. 1969. The elementary structures of kinship. Boston: Beacon Press.
7. Goody, Jack, and Meyer Fortes. 1973. The Character of kinship. Cambridge [Eng.]: University Press.

8. Trautmann, Thomas R. 1981. Dravidian Kinship. Cambridge studies in social anthropology. Cambridge: Cambridge University Press.
9. Radcliffe-Brown, A. R., and Cyril Daryll Forde. 1950. African systems of kinship and marriage. London: Published for the International African Institute by the Oxford University Press.
10. Farber, Bernard. 1966. Kinship and family organization. New York: Wiley.
11. Barnes, J. A. 1971. Three styles in the study of kinship. Berkeley: University of California Press.
12. Karve, Irawati. 1968. Kinship organization in India. London: Asia Publication Hous

Generic Elective-3 (GE-IB)

Human Ecology: Bio Cultural Perspective

Code-LS/ANT/GE-301L

Credit-4

Unit-1: Concept in Ecology, Adaptation, Biotic and Abiotic component

Unit-2: Methods of studying Human Ecology

Unit-3: Adaptation- Biological and cultural to ecological stresses

Unit-4: Culture as a tool of adaptation-Hunting and Food Gathering, Pastoralism, Shifting Cultivation

Suggested Reading

1. Human ecology: biocultural adaptation in human communities. (2006) Schutkowski, H. Berlin. Springer Verlag.
2. Human ecology and cognitive style: comparative studies in cultural and physical adaptation. (1976).Berry, J.B. New York: John Wiley.
3. Human ecology. (1964) Stapledon. Faber & Faber.
4. Studies in Human Ecology. (1961) Theodorson, G.A. Row, Peterson & Company Elmsford, New York.
5. Human ecology: (1973) Problems and Solutions. Paul R. Ehrlich, Anne H. Ehrlich and John P. Holdress.W.H. Freeman & Company, San Francisco.
6. Cohen, Yehudi A. 1968. Man in adaptation; the cultural present. Chicago: Aldine Pub. Co.
7. Symposium on Man the Hunter, Richard B. Lee, and Irven DeVore. 1969. Man the hunter. Chicago:Aldine Pub. Co.

Generic Elective Practical on Human Ecology: Bio Cultural Perspective

Code-LS/ANT/GE-301P

Credit-4

Biological Dimensions of Adaptation:

Size and Shape measurement

Size and shape indicators

Cultural dimensions of Adaptation:

Make and research design to any environmental problem and prepare a project base

Generic Elective-4 (GE-IB)

Basic Research Methodology

Code-LS/ANT/GE-401L

Credit-4

Unit-1: Meaning, Concept and Research- Research Design, Review of Literature, Formulation of Research problem, Qualitative and Quantitative research.

Unit-2: Tools and Techniques of data collection

Unit-3: Ethical issues in Research/ Ethical importance of cosset privacy and confidentiality in the research

Unit-4: Analysis and writing up structure, Research article data analysis

Unit-5: Bio Statistics: Variable, Descriptive statistics, use of qualitative and quantitative, Test of inference, Pedigree Analysis

Suggested Reading

1. Garrard E and Dawson A. What is the role of the research ethics committee? Paternalism, inducements, and harm in research ethics. *Journal of Medical Ethics* 2005; 31: 419-23.
2. Bernard H.R. *Research Methods in Anthropology, Qualitative and Quantitative Approaches*. Jaipur: Rawat Publications. 2006.
3. Madrigal L. *Statistics for Anthropology*. Cambridge: Cambridge University Press. 2012. Zar JH. *Biostatistical Analysis*. Prentice Hall. 2010.
4. Bernard R. *Research Methods in Anthropology: Qualitative and Quantitative Approaches*. AltaMira Press. 2011.
5. Emerson RM, Fretz RI and Shaw L. *Writing Ethnographic Fieldnotes*. Chicago, University of Chicago Press. 1995.
6. Lawrence NW. *Social Research Methods, Qualitative and Quantitative Approaches*. Boston: Allyn and Bacon. 2000.

7. Patnaik S.M. Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua. Jaipur: Rawat Publications. 2011.
8. Pelto PJ and Pelto GH. Anthropological Research, The Structure of Inquiry. Cambridge:Cambridge University Press. 1978.

Generic Elective Practical in Basic Research Methodology

Code-LS/ANT/GE-401P

Credit-4

Practical

- Preparation of schedule and questionnaire -interview, key informant interview, case study
- Project Report Writing: Preparation of Research Problem. Research design, Data collection and analysis, Report writing